

A person wearing a VR headset and holding a glowing sphere.

# SILICONE DIVISION

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*Advanced & do it yourself research  
**within hands reach***

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**Ray  
tech**

*Leader in Quality*





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*Advanced **&** do it yourself research  
**within hands reach***

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# SILICONE DIVISION

*Advanced & do it yourself research  
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# Silicones

Ray-RTV • Bag-RTV

Ray-GEL • Bag-GEL

Ray-MODEL

**Ray  
tech**  
*Leader in Quality*



## Fast cross linking bicomponent liquid silicone rubber.

**Ray-RTV** is the new range of bicomponent silicone developed by Raytech's laboratories. Non-toxic, safe and with no shelf life, **Ray-RTV** cross links quickly at room temperature, transforming into a rubber with high mechanical, thermal and elastic characteristics.

Available in single dose bags, bottles, tanks and boxes,  
in standard 30 Shore A hardness for **black** and 15 Shore A for **pink**.  
Fast cross linking (less than 8 minutes at 30°C) and easily re-enterable.

For ordering



### BAGS



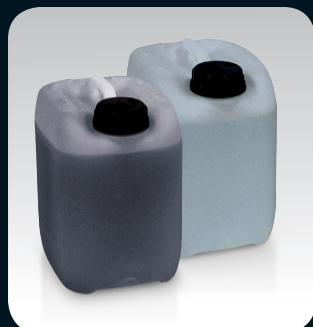
Product code	Quantity of material	Shore A Hardness	Colour
BAG-RTV 200-N	200 g	30	●
BAG-RTV 350-N	350 g	30	●
BAG-RTV 200-R	200 g	15	●
BAG-RTV 350-R	350 g	15	●



### CANS



Product code	Quantity of material	Shore A Hardness	Colour
RAY-RTV 1000-N	1000 g	30	●
RAY-RTV 1000-R	1000 g	15	●



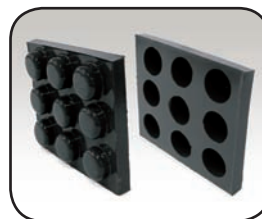
### TANKS



Product code	Quantity of material	Shore A Hardness	Colour
RAY-RTV 10K-N	10 kg	30	●
RAY-RTV 20K-N	20 kg	30	●
RAY-RTV 400K-N	400 kg	30	●
RAY-RTV 10K-R	10 kg	15	●
RAY-RTV 20K-R	20 kg	15	●
RAY-RTV 400K-R	400 kg	15	●

Other colours, hardness and cross linking times (pot life) are available upon request for tanks of 400 Kg.  
RAY-RTV is available in bags up to 600g.

## Applications Examples



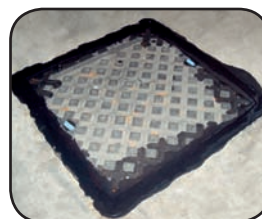
MOULDS FOR MAKING MODELS, HOBBIES, DIY AND INDUSTRY



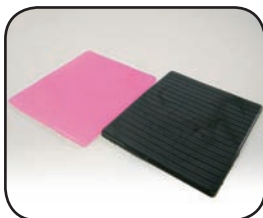
NON-SLIP SURFACES



GLASS SEALING



PIT SEALING



RUBBER MATS



ELASTIC GASKETS



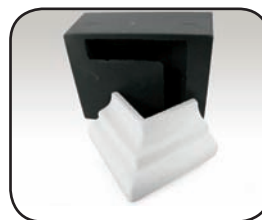
ANTI-CORROSION PROTECTION



RUBBER GASKETS



EXTRUDED PROFILES



PROFILE RELIEFS

## Technical characteristics

Physical properties	Appearance at supply	Bicomponent liquid
	Standard colours	Black - Pink
	Density (gr/cm <sup>3</sup> )	1,24 black - 1,05 pink
	Cross linking (Pot life) at +30°C	< 8 minutes
	Viscosity (MPas)	4000-6000 max
Mechanical properties	Elongation at break %	350
	Tensile strength (MPa)	2,8
Thermal properties	Operating temperature (°C)	-60 / +200
	Overload temperature (°C)	+ 250
	Thermal conductivity (W/m <sup>2</sup> K)	0,2
Electrical properties	Fire characteristics	Self-extinguishing
	Dielectric strength (kV/mm)	> 21
	Dielectric constant	< 7
	Loss factor	< 6 exp -3
	Volume resistivity Ωcm	> 1,5 x 10 exp 15
Shelf life	Shelf life	No shelf life

## Installation sequence

1



Prepare the object from which you want to get the mould.

2



Remove the separator from the bag.

3



Mix the 2 components for maximum 30 seconds.

4



Cut the bag.

5



Pour the product inside the mould within maximum 1 minute.

6



Wait for full product cross linking (about 8 minutes at +30°C) before removing the mould.

7



The mould is ready for use.



# Raytech RAYGEL

Insulating, sealing, soft, re-enterable fast cross linking bicomponent silicone gel.

**Ray-Gel** is an insulating, sealing, permanently soft innovative gel with fast cross linking at room temperature. It is particularly suitable for filling casings, creating decorations (i.e. water effect), anti-corrosion protection and for shock-absorbing cushioned packaging. Non-toxic and perfectly safe, **Ray-Gel** has no shelf life and has an excellent resistance to ageing. Highly re-enterable.

Available in single dose bags, bottles and tanks, with standard cross linking time (Pot life) of <3 minutes at +30°C.

Available colours: **blue, transparent, green and red.**

For ordering

## BAGS



Product code	Quantity of material	Colour
BAG-GEL 200-B	200 g	Blue
BAG-GEL 400-B	400 g	Blue
BAG-GEL 200-T	200 g	Transparent
BAG-GEL 400-T	400 g	Transparent
BAG-GEL 200-V	200 g	Green
BAG-GEL 400-V	400 g	Green
BAG-GEL 200-R	200 g	Red
BAG-GEL 400-R	400 g	Red

## BOTTLES



Product code	Quantity of material	Colour
RAY-GEL 300-B	300 g	Blue
RAY-GEL 1000-B	1000 g	Blue
RAY-GEL 300-T	300 g	Transparent
RAY-GEL 1000-T	1000 g	Transparent
RAY-GEL 300-V	300 g	Green
RAY-GEL 1000-V	1000 g	Green
RAY-GEL 300-R	300 g	Red
RAY-GEL 1000-R	1000 g	Red

## TANKS



Product code	Quantity of material	Colour
RAY-GEL 10K-B	10 Kg	Blue
RAY-GEL 20K-B	20 Kg	Blue
RAY-GEL 10K-T	10 Kg	Transparent
RAY-GEL 20K-T	20 Kg	Transparent
RAY-GEL 10K-V	10 Kg	Green
RAY-GEL 20K-V	20 Kg	Green
RAY-GEL 10K-R	10 Kg	Red
RAY-GEL 20K-R	20 Kg	Red

Other colours and cross linking times (pot life) are available upon request.

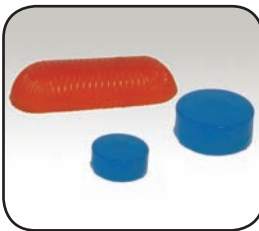
## Applications Examples



DESIGN



SHOCK ABSORBER



WATER EFFECT



NON-SLIP SUPPORTS



MODELLING



INSOLES AND ORTHOTICS



INSULANTING



GEL DECORATIONS



## Technical characteristics

Physical properties	Appearance at supply	Bicomponent liquid
	Standard colours	Blue - Transparent - Green - Red
	Density (gr/cm <sup>3</sup> )	about 1
	Cross linking (Pot life) at +30°C	< 3 minutes
	Viscosity (MPas)	< 2000
Thermal properties	Operating temperature (°C)	-60 / +200
	Thermal conductivity (W/m°K)	< 0,2
Electrical properties	Dielectric strength (kV/mm)	> 21
	Dielectric constant	< 7
	Loss factor	< 6 exp -3
	Volume resistivity Ωcm	> 1,5 x 10 exp 15
Shelf life	Shelf life	No shelf life

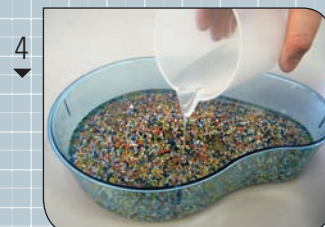
## Installation sequence



Pour the 2 components in a 1:1 ratio in the supplied beaker.



Mix the 2 poured components for maximum 30 seconds.



Pour the product inside the tank within maximum 1 minute.



Add any decorations to be embedded in the gel. Wait for full product cross linking (about 3 minutes at +30°C) before adding any decorations on the surface.

# Ray tech RAY MODEL

Bicomponent silicone rubber in mouldable paste, easy to remove and self-extinguishing.

**Ray-Model** is a revolutionary bicomponent silicone rubber in paste form. It is easy to mix and to apply by hand, fast in cross linking, non-toxic, safe and with no shelf life. It has high mechanical and thermal characteristics and it is highly self-extinguishing. This makes it perfect for the preparing of moulds for all uses, for the relief of profiles, adaptations carried out on site, repairs of damaged items (print relief) and for subsequent pouring of materials at high temperatures.

Uses range from technical articles to artistic purposes, scenery preparation, construction, electrotechnical products, DIY, etc. The standard product is available in **light blue**.

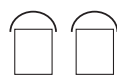
For ordering

## CANS



Product code	Packaging	Quantity of material	Colour
RAY-MODEL 500	2 cans	500 g	<input checked="" type="radio"/>

## TANKS



Product code	Packaging	Quantity of material	Colour
RAY-MODEL 5	2 tanks	5 kg	<input checked="" type="radio"/>

Other colours are available upon request.



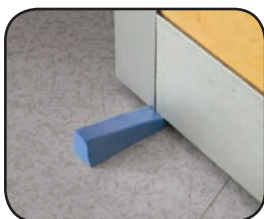
## Applications Examples



INSULATED HANDLES



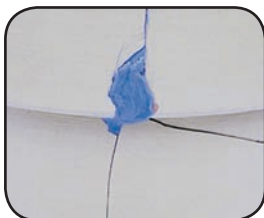
MODELLING



SUPPORTS



MOULDS



SMALL REPAIRS



ANTI-SHOCK PROTECTION



FIREPROOF PROTECTION



RUBBER GASKETS



## Technical characteristics

Physical properties	Appearance	Bicomponent paste
	Standard colours	Light blue
	Density (gr/cm <sup>3</sup> )	1,5 - 1,6
	Working time	2 minutes
	Cross linking (Pot life) at +30°C	< 3 minutes
Mechanical properties	Viscosity (MPas)	Ductile and malleable
	Elongation at break %	> 150
	Tensile strength (MPa)	0,8
Thermal properties	Operating temperature (°C)	-60 / +200
	Overload temperature (°C)	+250
	Thermal conductivity (W/m°K)	< 0,2
Electrical properties	Fire characteristics	Self-extinguishing
	Dielectric strength (kV/mm)	> 21
	Volume resistivity Ωcm	> 1,5 x 10 exp 16
Shelf life	Shelf life	No shelf life

## Installation sequence



Take an equal quantity of product from the 2 cans.



For maximum 2 minutes, mix the 2 components until colour is uniform.



Immediately apply the product on the profile.



Wait for full product cross linking (about 3 minutes at +30°C) before removing from the profile.



Gently remove the product from the profile.



The cast is ready.



## Products For Specific Applications

Magic One Adhesive

Ray Fast Adesive

Rayteam

Raytech 2-3

MCA-FV

King Joint

Magic Joint

Rapid Joint

Clik-Fire

Magic Box

Rayresin

LST-TEC; LST-TEC-GV

Ray-Fasc

Ray-Exp

Ray-TT

Raycon

Stop ICE

Easy Ramp

Easy Frost

MCA6-COMPACT;  
MCA8; MCA10  
for pipes, valves etc.

MCA6-COMPACT; MCA8  
for gutters, downpipes, roofs

MCA10; MCA20-RAMP  
for ramps, walkways etc.

Gasket Kit

Fire stop barriers

Speedy Wire Gel



## Magic One Adesive

Single component adhesive gel, suitable for bonding, fixing and sealing on all metal, wood, plastic, glass, ceramic, concrete and plaster surfaces.

### Product code

MAGIC ONE ADHESIVE

### Packaging

1 tube of 70 ml

### Characteristics

- Non-toxic and safe
- Flexible and elastic
- Paintable
- Resistant to mildew, chemical substances, weathering and UV radiation
- Thixotropic and self-adhesive

### Physical

- Colour **Translucent**
- Shore A Hardness **<70**
- Elongation at break **>240%**
- Tensile strength **2,2 Mpa**
- Operating temperature **-40/+100°C**
- Skin formation at 25°C **< 15 minutes**
- Cross linking speed **3 mm/24 h**

**Note:** Not suitable for the bonding of PE, PPL, acrylic glass, bitumen, materials under tensile stress.



## Ray Fast Adhesive

Single component, instant and invisible cyan acrylic adhesive, suitable for quick, resistant bonding of ceramics, metals, stones, rubber, wood, plastic, cardboard and textiles.

### Product code

RAY FAST ADHESIVE

### Packaging

1 bottle of 5 g

### Physical

- Colour **Clear, colourless**
- Setting speed (steel/steel) **10-20 sec.**
- Tensile strength (sanded steel) **> 18 N/mm²**
- Shear strength (sanded steel) **> 15 N/mm²**
- Total setting speed **24 h**



## Rayteam

PVC self-adhesive insulation tape for electrical applications and mechanical protection.

Product code	Width (mm)	Thickness (mm)	Length (m)
RAYTEAM 1925/13	19	0,13	25
RAYTEAM 1510/13	15	0,13	10

### Characteristics

- Self-extinguishing
- Flame retardant
- Good resistance to ageing, to weathering, hydrocarbons, chemical solvents in general and abrasion
- Complies with UL 510, CEI 60454 (EN60454)
- Operating temperature -5 / +85°C
- VDE Marking

Available colours: **black, red, blue, grey, brown, white, yellow/green.**



## Raytech 2-3

Ethylene-propylene (EPR) based self-amalgamating insulation tape for electrical applications and mechanical protection.

Product code	Width (mm)	Thickness (mm)	Length (m)
RAYTECH 2-3	19	0,76	9

### Characteristics

- Amalgamates rapidly, adapting to the underlying artifact, forming a compact body
- Resistant to partial discharges (corona)
- Stable over time
- Complies with: ASTM-D-4388, HH-I-553C/ Grade A, MIL-I-3825 B
- Operating temperature: +90°C
- Overload temperature +130°C

Available colours: **black.**

## MCA-FV

Self-adhesive fiberglass tape suitable for strong fixing and protections also at high temperatures (up to 130°C).

Product code	Width (mm)	Thickness (mm)	Length (m)
MCA-FV	12	0,13	50

### Physical

- Tensile strength (AFERA 4004): 130 N/cm min
- Elongation at break (AFERA 4005): 5%
- Adhesion to steel (AFERA 4001): 4 N/cm min
- Adhesion to backing (AFERA 4001): 3 N/cm min



## King Joint

Rapid gel filled joint for extruded multi core 0,6/1 kV cables up to 5 cores, both straight and branch, re-enterable and suitable for underground and submerged installation.

Product code	Type		Ø max cable (mm)	Dimensions AxBxC (mm)
	STRAIGHT (n° x mm²)	BRANCH (n° x mm²) passante derivato		
KING JOINT 0	2x1,5 - 6	-	20,5	105x55x55
	3x1,5 - 6	-		
	4x1,5 - 6	-		
	5x1,5 - 6	-		
KING JOINT 1	2x1,5 - 6	2x4 2x2,5	20,5	150x56x30
	3x1,5 - 6	3x4 3x2,5		
	4x1,5 - 6	4x4 4x2,5		
	5x1,5 - 6	5x4 5x2,5		
KING JOINT 2	<b>Crimping connectors</b>	<b>Screw connectors</b>	30	220x85x46
	2x4 - 25	2x4 - 16		
	3x4 - 25	3x4 - 16		
	4x4 - 25	4x4 - 16		
	5x4 - 25	5x4 - 16		

• KING JOINT 0: 2 pieces per kit • KING JOINT 1: 2 pieces per kit • KING JOINT 2: 1 piece per kit

### Characteristics

- Re-enterable
- Fast
- Suitable for laying underground or directly submerged
- Non-toxic and safe
- Self-extinguishing
- Flame retardant
- No shelf life
- For straight and branch connections
- For multicore cables of up to 5 conductors
- Complete with screw connectors
- Equipped with 5 sector spacers for proper centring of 5 core cables

### Approvals and compliance with the standards

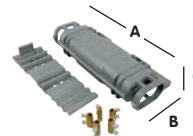
- CEI EN 50393
- CEI 20-33
- In Class 2 according to CEI 64-8
- CEI 20-35, IEC 332-1, CENELEC HD 405-1
- Degree of protection higher than IP68 according to CEI EN 60529 (CEI 70-1) and IEC 529.



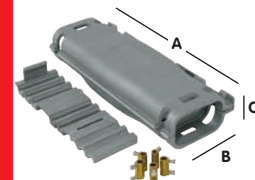
KING JOINT 0



KING JOINT 1



KING JOINT 2

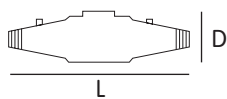


## Magic Joint

Straight and branch joints (the latter with Y branching at 30°), with bi-component, non toxic cast insulation, with no shelf life, fast in cross linking for single and multicore cables, copper conductors.



STRAIGHT JOINTS



Y BRANCH JOINTS



STRAIGHT JOINTS Product code	Cable formation and conductor cross section (n° x mm²)				Dimensions LxD (mm)
	1x	2x	3x	4x	
Magic Joint 4	1,5-25	1,5-4	1,5-4	1,5-4	160x45
Magic Joint 10	2,5-50	1,5-10	1,5-10	1,5-10*	180x50

\*Magic Joint 10 is suggested for cable diameters not exceeding 16 mm.

STRAIGHT JOINTS	Cable formation and conductor cross section (n° x mm²)	Dimensions
Product code	5x	LxD (mm)
Magic Joint 4/5	1,5-2,5	160x45
Magic Joint 10/5	1,5-6	180x50

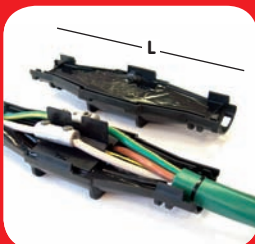
Y BRANCH JOINTS Product code	Cable formation and conductor cross section (n° x mm²)								Dimensions LxD (mm)
	1x		2x		3x		4x		
	Main	Branch	Main	Branch	Main	Branch	Main	Branch	
Magic Joint Y6	4-50	4-50	4-10	4-10	2,5-6	2,5-6	2,5-6	2,5-6	180x90

Y BRANCH JOINTS Product code	Formazione del cavo e sezione dei conduttori (n° x mm²)		Dimensions LxD (mm)
	5x		
	Main	Branch	
Magic Joint Y6/5	2,5-4	2,5-4	180x90

Characteristics	Approvals and compliance with the standards
<ul style="list-style-type: none"> <li>• Re-enterable</li> <li>• Fast cross linking (&lt;10 minutes at +25°C)</li> <li>• Suitable for laying underground or directly submerged, even at high depths</li> <li>• Non-toxic and safe</li> <li>• No shelf life</li> <li>• Excellent impact resistance</li> </ul>	<ul style="list-style-type: none"> <li>• CEI EN 50393</li> <li>• CEI 20-33</li> <li>• In Class 2 according to CEI 64-8</li> <li>• Degree of protection higher than IP68 according to CEI EN 60529 (CEI 70-I) and IEC 529.</li> </ul>

## Rapid Joint

Rapid gel joint for straight connection for extruded 0.6/1 kV single and multicore cables, with radial closing, re-enterable and suitable for laying underground or directly submerged.



Product code	Cable formation and conductor cross section (n° x mm²)				Dimensions LxØ (mm)
	1x	2x	3x	4x	
RAPID JOINT L6	1,5 - 50	1,5 - 6	1,5 - 6	1,5 - 6	105x55
RAPID JOINT L10	2,5 - 150	2,5 - 16	2,5 - 10	2,5 - 10	180x60
RAPID JOINT L25	120 - 240	2,5 - 35	2,5 - 25	2,5 - 25	210x65

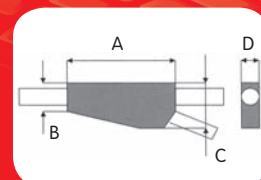
Characteristics	Approvals and compliance with the standards
<ul style="list-style-type: none"> <li>• Re-enterable</li> <li>• Fast</li> <li>• Suitable for laying underground or directly submerged</li> <li>• Non-toxic and safe</li> <li>• Self-extinguishing</li> <li>• Flame retardant</li> <li>• No shelf life</li> </ul>	<ul style="list-style-type: none"> <li>• CEI EN 50393</li> <li>• CEI 20-33</li> <li>• In Class 2 according to CEI 64-8</li> <li>• CEI 20-35, IEC 332-I, CENELEC HD 405-I</li> <li>• Degree of protection higher than IP68 according to CEI EN 60529 (CEI 70-I) and IEC 529.</li> </ul>



## CLIK 2000-FIRE; CLIK 2001-FIRE; CLIK 2002-FIRE

Rapid gel-filled branch joint for multicore extruded 0,6/1 kV up to 4 core, with Y (30°) branching, re-enterable and suitable for underground or submerged laying.

Product code	Cable formation and conductor cross section (n° x mm²)		Ø max cable (mm)		Dimensions AxBxCxD (mm)
	Main	Branch	Main	Branch	
CLIK 2000-FIRE	1x2,5-25	1x1,5-16	14	12,5	75x30x40x21
	1x6-95	1x1,5-70			
	2x1,5-16	2x1,5-10			
CLIK 2001-FIRE	3x2,5-16	3x1,5-10	22,5	18,5	125x36x56x35
	4x2,5-10	4x1,5-6			
	1x50-150	1x1,5-70			
CLIK 2002-FIRE	2x1,5-25	2x1,5-10	26	18,5	185x47x75x43
	3x4-25	3x1,5-10			
	4x4-16	4x1,5-6			



### Characteristics

- Re-enterable
- Fast
- Suitable for laying underground or directly submerged
- Non-toxic and safe
- Self-extinguishing
- Flame retardant
- No shelf life
- For branch connections

### Approvals and compliance with the standards

- CEI EN 50393
- CEI 20-33
- In Class 2 according to CEI 64-8
- CEI 20-35, IEC 332-I, CENELEC HD 405-I
- Degree of protection higher than IP68 according to CEI EN 60529 (CEI 70-I) and IEC 529.

## Magic Box

Universal IP68 kit for electrical insulation and BT connection protection, constituted of a highly flame retardant termination box, insulating and sealing bicomponent, re-enterable gel with no shelf life for full filling, cable glands and closing caps.

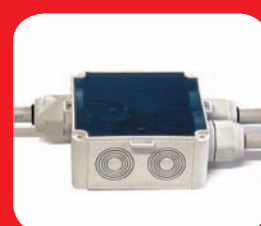
Product code	Internal Dimensions (mm)	Max external Ø housed in input cables (mm)	Quantity and type of cable glands in kit
MAGIC BOX 65	Ø65 x h35	22	3xPG16
MAGIC BOX 80	Ø80 x h40	22	3xPG16
MAGIC BOX 100	100x100x h50	20	3xM25x1.5
MAGIC BOX 120	120x80x h50	20	3xM25x1.5
MAGIC BOX 150	150x110x h70	26	3xM25x1.5

### Characteristics

- Non-toxic and safe
- No shelf life
- Suitable for laying underground or directly submerged
- Re-enterable even after long periods of operation
- Excellent impact resistance
- Flame retardant
- Also suitable for vertical filling
- Complete with 3 cable glands and closing caps

### Approvals and compliance with the standards

- CEI EN 50393
- CEI 20-33
- In Class 2 according to CEI 64-8
- IEC 332-I, CEI 20-35, HD 405-I
- Degree of protection higher than IP68 according to IEC 529.
- Glow wire test at 960°C according to EN 60695-2-11





## Rayresin

Bicomponent epoxy resin in bags, insulating, with rigid consistency.

Product code	Packaging
RAYRESIN 170	170 g Bag
RAYRESIN 210	210 g Bag
RAYRESIN 420	420 g Bag

Characteristics	Physical
<ul style="list-style-type: none"> <li>Thermosetting</li> <li>Excellent bonding to metal, plastic and rubber components.</li> <li>Suitable for laying underground or directly submerged</li> </ul>	<ul style="list-style-type: none"> <li>Appearance <b>Rigid amber</b></li> <li>Specific weight <b>1.07 Kg/dm<sup>3</sup></b></li> <li>Gel time <b>20 minutes at 20°C</b></li> <li>Water absorption <b>0.8% max</b></li> <li>Dielectric strength <b>21 kV/mm</b></li> <li>Hardness <b>70 Shore D</b></li> </ul>



## LST-TEC; LST-TEC-GV

Heat-shrinkable tubing in dispenser. Flexible, made of modified polyolefin and cross linked by radiation. Suitable for insulation and covering of conductors and their connections. Replaces adhesive and self amalgamating insulating tapes.

Product code	Minimum Ø before shrinking (mm)	Maximum Ø after free shrinking (mm)	Minimum nominal thickness after free shrinking (mm)	Spool (m)
LST-TEC 1,6	1,6	0,8	0,50	10
LST-TEC 2,4	2,4	1,2	0,55	10
LST-TEC 3,2	3,2	1,6	0,55	10
LST-TEC 4,8	4,8	2,4	0,55	9
LST-TEC 6,4	6,4	3,2	0,65	8
LST-TEC 9,5	9,5	4,8	0,65	6
LST-TEC 12,7	12,7	6,4	0,65	6
LST-TEC 19,0	19,0	9,5	0,80	5
LST-TEC 25,4	25,4	12,7	0,95	3

Available Colour: **black, blue.**

Product code	Minimum Ø before shrinking (mm)	Maximum Ø after free shrinking (mm)	Minimum nominal thickness after free shrinking (mm)	Spool (m)
LST-TEC-GV 3/1,5	3	1,5	0,51	7
LST-TEC-GV 6/3	6	3	0,58	5
LST-TEC-GV 10/5	10	5	0,64	4
LST-TEC-GV 19/9	19	9	0,74	3
LST-TEC-GV 26/13	26	13	0,89	2,5

Colour: **Yellow/green.**

Characteristics	
<ul style="list-style-type: none"><li>• Flexible</li><li>• Easy and quick installation</li><li>• Shrinkage ratio 2:1</li><li>• Packaged in practical dispensers</li></ul>	<ul style="list-style-type: none"><li>• Operating temperature: -55 / +120°C</li><li>• Excellent electrical and physical properties</li><li>• Excellent chemical resistance</li><li>• No shelf life</li></ul>



## Ray-Fasc

Cable ties suitable for electrical systems, industrial wiring, switchboards and special applications.

Product code		Width (mm)	Length (mm)	Ø Application		App. min.		Quantity Pieces
Col. White	Col. Black			min.	max	Kg	N	
Ray-fasc B 22/75	Ray-fasc N 22/75	2,2	75	0,75	15	6,12	60	100
Ray-fasc B 25/98	Ray-fasc N 25/98	2,5	95	1	21	8,16	80	100
Ray-fasc B 25/135	Ray-fasc N 25/135	2,5	135	1	32	8,16	80	100
Ray-fasc B 26/160	Ray-fasc N 26/160	2,6	160	1	40	8,16	80	100
Ray-fasc B 26/200	Ray-fasc N 26/200	2,6	200	2	52	8,16	80	100
Ray-fasc B 36/140	Ray-fasc N 36/140	3,6	140	2	35	13,26	130	100
Ray-fasc B 36/200	Ray-fasc N 36/200	3,6	200	2	50	13,26	130	100
Ray-fasc B 36/290	Ray-fasc N 36/290	3,6	290	2	80	13,26	130	100
Ray-fasc B 36/370	Ray-fasc N 36/370	3,6	370	2	103	13,26	130	100
Ray-fasc B 45/160	Ray-fasc N 45/160	4,5	160	2,5	40	22,44	220	100
Ray-fasc B 48/178	Ray-fasc N 48/178	4,8	178	2	45	22,44	220	100
Ray-fasc B 48/200	Ray-fasc N 48/200	4,8	200	3	50	22,44	220	100
Ray-fasc B 48/250	Ray-fasc N 48/250	4,8	250	3,5	68	22,44	220	100
Ray-fasc B 48/290	Ray-fasc N 48/290	4,8	290	3,5	79	22,44	220	100
Ray-fasc B 48/360	Ray-fasc N 48/360	4,8	360	3,5	103	22,44	220	100
Ray-fasc B 48/390	Ray-fasc N 48/390	4,8	390	3,5	106	22,44	220	100
Ray-fasc B 48/430	Ray-fasc N 48/430	4,8	430	3,5	106	22,44	220	100
Ray-fasc B 78/180	Ray-fasc N 78/180	7,8	180	3,5	45	55,08	540	100
Ray-fasc B 78/240	Ray-fasc N 78/240	7,8	240	3,5	63	55,08	540	100
Ray-fasc B 78/300	Ray-fasc N 78/300	7,8	300	4	80	55,08	540	100
Ray-fasc B 78/365	Ray-fasc N 78/365	7,8	365	8	100	55,08	540	100
Ray-fasc B 78/450	Ray-fasc N 78/450	7,8	450	35	130	55,08	540	100
Ray-fasc B 78/540	Ray-fasc N 78/540	7,8	540	35	158	55,08	540	100
Ray-fasc B 78/750	Ray-fasc N 78/750	7,8	750	35	220	55,08	540	100

### Characteristics

- Easy and fast installation
- Bend tail to facilitate insertion in the head.
- Rounded corners
- Fast sliding

### Physical

- Self-extinguishing according to UL94
- Resistance to UV rays (black Ray-fasc N)
- Absence of halogen
- Excellent chemical resistance
- Operating temperature: -40 / +85°C
- Installation temperature: -10 / +60°C



## Ray-Exp

Expandable silicone glass reinforced sheath for high temperatures (e.g. for halogen lamps).

Product code	Ø Nominal (mm)	Ø Expanded (mm)	Spool (m)
RAY-EXP 3/8	3	8	10
RAY-EXP 5/14	5	14	10

### Characteristics

- Fast application
- High tensile resistance
- Does not require heat to isolate joints and connections
- Excellent self-extinguishing
- Excellent flexibility
- Excellent chemical resistance
- Operating temperature: -80 / +250°C

Color standard: **brick red**.



## Ray-TT

Head-head type screw connectors. Easy and quick application without any need for press or other installation tool.

Product code	Length (mm)	Width (mm)	Ø Hole (mm)	Cable cross section (mm <sup>2</sup> )	Package Pieces
Ray-TT4	14	5,4	3,15	4	100
Ray-TT6	15,9	6,5	4	6	100
Ray-TT16	19	8,9	5,6	10-16	100
Ray-TT25	28	12,5	7	16-25	100

## Raycon

Copper crimping connectors.

Product code	Cross section (mm <sup>2</sup> )		Dimensions (mm)	
	Rigid	Flexible	Ø	L
Raycon 1,5	1,5	1,5	1,8	15
Raycon 2,5	2,5	2,5	2,2	18
Raycon 4	4	2,5-4	2,7	22
Raycon 6	6	4-6	3,3	31
Raycon 10	10	6-10	4,2	39
Raycon 16	16	10-16	5,3	39
Raycon 25	25	16-25	6,6	39
Raycon 35	35	25-35	7,9	39
Raycon 50	50	35-50	9,2	50

## Stop ICE

Constant power, pre-assembled heating kit for the trace of pipes, valves and taps, water counters and small tanks, vases. Made of a 12 W/m constant power cable complete with a contact thermostat (installed on the end of the heating cable) and a power cable with plug.

Product code	Power (W/kit)	Specific power (W/m)	Length (m)
Stop ICE 2/12	24	12	2
Stop ICE 5/12	60	12	5
Stop ICE 10/12	120	12	10
Stop ICE 18/12	216	12	18

### Characteristics

- Specific power **12 W/m**
- Power supply **230 V ~50/60 Hz**
- Cable dimensions **~ 5 x 7 mm**
- Minimum installation temperature **+5°C**
- Maximum operating temperature **+70°C**
- Cold cable (power) **length 1.5 metres 3x0,75 mm<sup>2</sup> - complete of plug**
- Heating cable type **2 conductors, shielded type**
- Insulation **XLPE**
- External sheath **PVC**
- Minimum bending radius **3.5 D**
- Temperature control **Integrated bimetallic thermostat**
- ON **+3°C**
- OFF **+10°C**
- Degree of protection **IP X7**
- Marking **CE**



Pipes, valves, taps and water meters



Drinkers



Pipes for boilers



Small Tanks



Vases Gardening

## Easy Ramp

Heating mats for anti-freeze and anti-snow use for ramps, walkways, parkings and courtyards, balconies and terraces. Made of a 25 W/m constant power cable assembled with a tape to form a heating mat. Easy ramp is easy and quick to install.

It can be installed in cement, asphalt, interlocking bricks or under porphyry tiles or other covering materials blocked with cement and sand.

### S.O.S. Ice and Snow for emergency situations

The Easy Ramp mat can also be laid directly on surfaces to be freed just when it starts snowing.

**Remember to remove the mat before vehicle or pedestrian passing!**

**Note:** A 16 A plug is sufficient for connection to home outlets, for a functioning cable.

Product code	Power (W)	Specific power (W/m <sup>2</sup> )	Width (m)	Length (m)
Easy Ramp 4/300	670	300	0,6	4
Easy Ramp 7/300	1140	300	0,6	7
Easy Ramp 13/300	2560	300	0,6	13
Easy Ramp 21/300	3730	300	0,6	21

#### Characteristics

- Mat power: **300 W/m<sup>2</sup>**
- Power supply: **230 V ~50/60 Hz**
- Mat thickness: **7.5 mm**
- Minimum installation temperature: **+ 5°C**
- Maximum operating temperature: **+ 80°C**
- Cold cable (power) **length 4 metres - 3x1.5 mm<sup>2</sup> or 3x2.5 mm<sup>2</sup>**
- Heating cable type: **2 conductors, shielded**
- Heating cable dimensions: **~ 5x7 mm**
- Heating cable power: **25 W/m**
- Insulation: **XLPE**
- External sheath: **PVC**
- Marking: **CE**



## Easy Frost

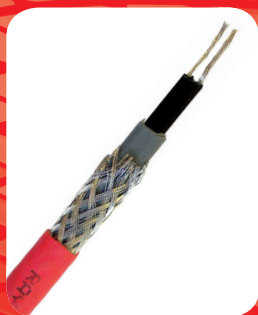
Constant power 20 W/m heating cable for the antifrost protection of roofs, gutters and downpipes from damages due to snow and ice formation. Ready for installation, Easy Frost is supplied just assembled with the feeding cable for the connection.

Product code	Specific power (W/m)	Kit power (W)	Resistance (Ω)	Length (m)
EASY FROST 50/20	20	1000	52,9	50
EASY FROST 102/20	20	2040	29,9	102

#### Characteristics

- Specific power: **20 W/m**
- Power supply: **230 V ~ 50/60 Hz**
- Dimensions: **~ 5x7 mm**
- Min installation temperature: **+ 5°C**
- Max working temperature: **+ 80°C**
- Cold cable for the supply connection: **length 4 m - 3x1,0 mm<sup>2</sup> or 3x1,5 mm<sup>2</sup>**
- Type of cable: **2 conductors, screened**
- Insulation: **XLPE**
- Outer sheath: **PVC, UV resistant**
- Min bending radius: **3,5 D**
- Marking: **CE**





## MCA6 COMPACT - MCA8 - MCA10

### For pipes, valves etc.

Self regulating heating cables for antifreeze protection of pipes, valves, taps, water meters and tanks.

Product code	Power on pipe at 10°C (W/m)	Working voltage (V)	Min installation temperature (°C)
MCA6-COMPACT	18	230	-30
MCA8	25	230	-30
MCA10	33	230	-30

Product code	Max working temperature for connected cable (°C)	Min bending radius (mm)	Max length (m)
MCA6-COMPACT	65	25	41*
MCA8	65	25	125**
MCA10	65	25	105**

\* Starting temperature -20°C; 10 A, switchgear C characteristic, 30 mA differential protection.

\*\* Starting temperature -25°C; 40 A, switchgear C characteristic, 30 mA differential protection.

Connection Kit	Termination Kit	Joint Kit	Branch Kit
MCA-Universal	MCA-Universal	MCA-Universal	MCA-Universal

Thermal insulation pass through Kit	Fiberglass tape	Aluminium fixing tape 25 mm wide	Aluminium fixing tape 75 mm wide
MCA-AL	MCA-FV	MCA-ALL25	MCA-ALL75



## MCA6 COMPACT - MCA8

### For gutters, downpipes, roofs

Heating cables for the tracing of roofs, gutters and downpipes.

Product code	Max length with a starting temperature of -10°C through a switchgear of (m)				
	10A	16A	20A	30A	40A
MCA-6-COMPACT	33	-	-	-	-
MCA8	-	40	50	75	100

Connection Kit	Termination Kit	Joint Kit	Branch Kit
MCA-Universal	MCA-Universal	MCA-Universal	MCA-Universal

Support of the cable in the gutter	Control unit	Temperature sensor	Humidity, snow and ice sensor
MCA-SUP	C2000	C2000-STG	C2000-SUG

**Note:** C2000 unit works only when both C 2000-STG and C 2000-SUG sensors are connected.

Characteristics	MCA6-COMPACT	MCA8
• Power in air at 0°C	17 W/m	24 W/m
• Power in iced water	30 W/m	40 W/m
• Supply	230 V – 50/60 Hz	230 V – 50/60 Hz
• Minimum installation temperature:	-30°C	-30°C
• Maximum exposure temperature:	+ 65°C	+ 65°C
• Heating cable type:	Self regulating, screened	Self regulating, screened
• External sheath	In modified polyolefine suitable for exposition to UV radiation and weathering agents	In modified polyolefine, suitable for exposition to UV radiation and weathering agents

## MCA10 - MCA20 RAMP

### For ramps, walkways etc.

Self regulating heating cable for antifreeze and snow protection of ramps, walkways, parking and stairs, balconies and terraces; MCA 10 suggested for temperate areas, MCA 20-RAMP for rigid climate areas.

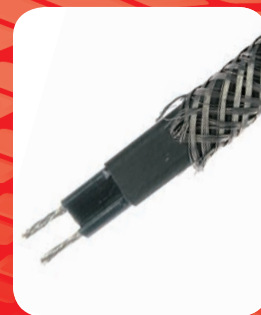
Product code	Power at 0°C in the concrete (W/m)	Operating voltage (V)	Min installation temperature (°C)
MCA10**	50	230	-30
MCA20-RAMP	90	230	-30

Product code	Max working temperature (°C)	Min bending radius (mm)	Max length (m)
MCA10**	65	25	100*
MCA20-RAMP	120	25	64*

\*40 A, switchgear, C characteristic or possibly D, with differential protection 30 mA

\*\* Self regulating heating cable for the only use in temperate areas (not less than -8°C) for the tracing of ramps, corridors, stairs; for min temperatures <-8°C use only MCA 20-RAMP cables. Contact Raytech for technical questions.



## Gasket Kit

Kit for the preparation of elastic washers, insulating gaskets and rubber profiles, UV and ageing resistant with operating temperatures up to 200°C and 30 Shore A hardness, for all types of electrical, thermal hydraulic and sealing work. Details produced are particularly suitable for sealing outdoor lamps, for sealing and insulation of screwed and bolted details, for all types of maintenance operations, component replacement and shimming.

**Easy to use. The elastic, liquid component is poured and pieces are ready in just a few minutes at room temperature and without heating. Easy removal from the mould.**

Product code	Packaging
GASKET KIT	<ul style="list-style-type: none"> <li>• 1 mould for elastic washers, insulating seals and rubber profiles</li> <li>• 2 bottles of quick cross linking bicomponent liquid rubber for a total of 360 gr of product.</li> </ul>

Flat seals		Round	Profiles	Non-slip feet	Tap housing seals		Seal for ondulates slabs on roofs
Ø external (mm)	Ø internal (mm)	Ø (mm)	LxL (mm)	LxL (mm)	Ø external (mm)	Ø internal (mm)	LxL - Ø hole (mm)
30	22	30	130x6	30x30	22	4.5	30x30 Ø hole 4,5
25.5	17	25	130x5	25x25	15.8	4.5	
24	18	20	130x4	20x20	14	4.5	
22	16.5	15	130x3	15x15			
21	15	10	130x2	10x10			
18	12						
14	8						
11	6						
10	7						
8	4						



Characteristics	Advantages
<ul style="list-style-type: none"> <li>• Non-toxic and safe</li> <li>• No shelf life</li> <li>• Self extinguishing and flame retardant</li> <li>• Low smoke and toxic and corrosive gas emissions</li> <li>• Flexible and elastic over time</li> <li>• Re-enterable</li> <li>• Fast in cross linking at room temperature (&lt;10 min)</li> <li>• High dielectric, mechanical, elastic and thermal characteristics</li> </ul>	<ul style="list-style-type: none"> <li>• For direct on site use</li> <li>• Can be used in any environmental conditions</li> <li>• Easy preparation</li> <li>• Easy removal from moulds.</li> </ul>

**Note:** the maximum thickness of all products to be created with the mould is 3 mm.





## FIRE BARRIERS

### A. FSB

Incombustible intumescent fire barrier in bags which stop the fire passage through openings in walls.



Product code	Dimensions of the bag (mm)
FSB-11	200X80X20
FSB-12	200X250X30
FSB-13	200X300X30

#### Characteristics

- REI180 class (for plasterboards walls refer to REI 120)
- non toxic and asbestos free
- Conform to circular n° 91/61

### B. FSP

Incombustible fire barrier in panels, covered with intumescent varnish, which stop the fire passage through openings in walls.



Product code	Dimensions of the panel (mm)	Color of the panel
FSP-11	600X500X54	Grey

#### Characteristics

- REI180 class (for plasterboards walls refer to REI 120)
- non toxic and asbestos free
- Conform to circular n° 91/61

### C. FSC

Incombustible fire barrier in prefabricated metallic collars, with intumescent gaskets, for the closing of passages of plastic pipes through openings in walls.



Product code	Ø (mm)
FSC 11	from 40 to 110
FSC 12	from 140 to 160
FSC 13	200
FSC 14	250

#### Characteristics

- REI180 class (for plasterboards walls refer to REI 120)
- non toxic and asbestos free
- Conform to circular n° 91/61

### D. FST

Incombustible intumescent fire barrier in a preformed tape for the closing of pass through with plastic tubes through openings in walls.



Product code	Range of diameters of application on pipes	Tape length (m)
FST 250/40/1000	from 40 to 250	1

#### Characteristics

- REI180 class
- non toxic and asbestos free
- Conform to circular n° 91/61

# FIRE BARRIERS

## E. FSS

Incombustible intumescent fire barrier in a sealant mastic for the closing of small pass through openings in walls, also in addition to other barriers.

Product code	Packaging
FSS 310	Cartridge of 0,3 lt
FSS 5	Spatula type, 5 kg drum
FSS 15	Spatula type, 15 kg drum
FSS/S 5	Spatula or spry type, 5 kg drum
FSS/S 15	Spatula or spry type, 15 kg drum

### Characteristics

- REI180 class (for plasterboards walls refer to REI 120)
- non toxic and asbestos free
- Conform to circular n° 91/61



## F. FSF

Fire barrier in a single component, expanding, sealing foam for the closing of small pass through openings in walls with a min thickness of 100 mm. The volume developed by each can is approx 45 lt.

Product code	Package
FSF 700	Can of 700 ml

### Characteristics

- REI120 class
- non toxic and asbestos free; they do not emit toxic gases and thick fumes
- Conform to circular n° 91/61



## G. FSM

Fire barrier in incombustible plaster which stop the fire passage through openings in walls, for spatula or spry application. Large quantities can be easily mixed with a concrete mixer.

Product code	Package
FSM 20	20 Kg bag

### Characteristics

- REI120 class
- non toxic and asbestos free; they do not emit toxic gases and thick fumes
- Conform to circular n° 91/61



## H. FSCP

Incombustible fire barrier for the ceiling fluorescent lights covering, to maintain the integrity of the fire resistance of the ceiling.

Product code	Dimensions (mm)	Weight (Kg)
FSCP 600	720x750x150	approx 1,7
FSCP 1200	1330x700x140	approx 3,5

### Characteristics

- REI120 class
- Non toxic



# FIRE BARRIERS

## I. FSCF

Incombustible fire barrier covered with intumescent varnish, dome or cone shaped, for the covering and the protection of halogen lamps (FSCF 250) and spots (FSCF 350) in false ceilings, to maintain the integrity of the fire resistance of the ceiling.

Product code	Dimensions (mm)	Type
FSCF 250	250x280	Cone
FSCF 350	350x230	Dome

### Characteristics

- REI120 class
- Non toxic, asbestos and solvent free
- Conform to circular n° 91/61

## L. FSCI

Incombustible fire barrier for the covering of switchgears to maintain the integrity of the fire resistance of the walls.

Product code	Dimensions (mm)
FSCI 150	150X150

### Characteristics

- REI120 class
- Non toxic and asbestos free; they do not emit toxic gases and thick fumes
- Conform to circular n° 91/61

## M. FSCC

System for the protection of electric termination boxes made of a fire resistant closing: it protects the wall from heat and fire propagation.

Product code	Dimensions (mm)
FSCC 150	150x120x75
FSCC 200	200x170x75

### Characteristics

- REI120 class
- Non toxic and asbestos free; they do not emit toxic gases and thick fumes
- Conform to circular n° 91/61

## N. FSTP

Incombustible intumescent fire barrier sleeve for the closing of pass through with metallic or plastic tubes through openings in walls.

Product code	Ø Internal (mm)
FSTP 25	25
FSTP 50	50
FSTP 100	100

### Characteristics

- REI120 class
- Non toxic and asbestos free
- Conform to circular n° 91/61



# Speedy Wire Gel

Non toxic lubricant for the inserting of any type of cable, power, telecom or fibre optic, in both rigid or corrugated ducts, pipes etc.

- High lubricant power.
- It doesn't drop while operating.
- Cost saving up to 3 times on the quantity to be used with respect to any other solution.

Product code	Quantity (Lt)
Speedy Wire Gel	1

## Characteristics

- |                 |                        |
|-----------------|------------------------|
| • Aspect:       | <b>transparent Gel</b> |
| • PH:           | <b>6 to 8</b>          |
| • Density:      | <b>approx 1</b>        |
| • Solvents:     | <b>Absent</b>          |
| • Toxicity:     | <b>Non toxic</b>       |
| • Flammability: | <b>Non flammable</b>   |





## DIY KIT

A practical, small rucksack wich contains



1 kit  
**Ray-RTV 1000-N**



1 kit  
**Ray-Gel 300-B**



1 kit  
**Ray-Model 500**



1 pz  
**Ray Fast  
Adhesive**



1 pz  
**Magic One  
Adhesive**



1 bag  
**Rayresin 170**



5 black tapes  
**Rayteam 1925**



1 tape  
**Raytech 2-3**



1 kit of nylon  
cable ties  
**Ray-fasc N48/180**  
black colour (L=178 mm)



## DIY APPLICATIONs examples

Model Making  
Construction  
Thermal Hydraulics  
Home  
Costume Jewellery  
Campers  
Camping  
Gardening  
Household  
Toys  
Electrotechnical  
Crafts  
Hardware  
Transport  
Stamps And Pad Printing  
Medical  
Paints And Restoration

# MODEL MAKING

## RAILWAYS

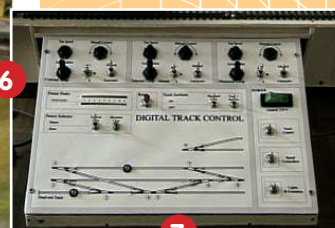


## MODEL MAKING



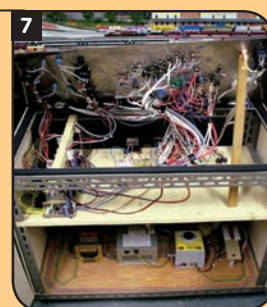
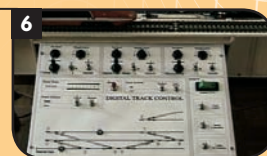
APPLICATION		SUGGESTED PRODUCT	
		DESCRIPTION	PRODUCT CODE
	ARRANGEMENT AND REPAIR OF LANDSCAPES	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV 1000-N</b> <b>BAG-RTV- 200-N</b> 
		<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b> 
	MOULD CONSTRUCTION FOR OBJECT REPRODUCTION	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> </ul>	<b>RAY-RTV 1000-N</b> <b>BAG-RTV 350-N</b> 
		<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b> 
	MODEL MAKING BY POURING INTO MOULDS	<ul style="list-style-type: none"> <li>Bi-component epoxy resin in bags of 170 g</li> </ul>	<b>RAYRESIN 170</b> 
	REPAIRS AND ADAPTATIONS	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b> 
	PONDS AND STREAMS	<ul style="list-style-type: none"> <li>Transparent liquid gel in bottle of 1 Kg</li> <li>Blue liquid gel in bottle of 1 Kg</li> <li>Transparent liquid gel in bags of 200 g</li> <li>Blue liquid gel in bags of 200 g</li> </ul>	<b>RAY-GEL 1000-T</b> <b>RAY-GEL 1000-B</b> <b>BAG-GEL 200-T</b> <b>BAG-GEL 200-B</b> 





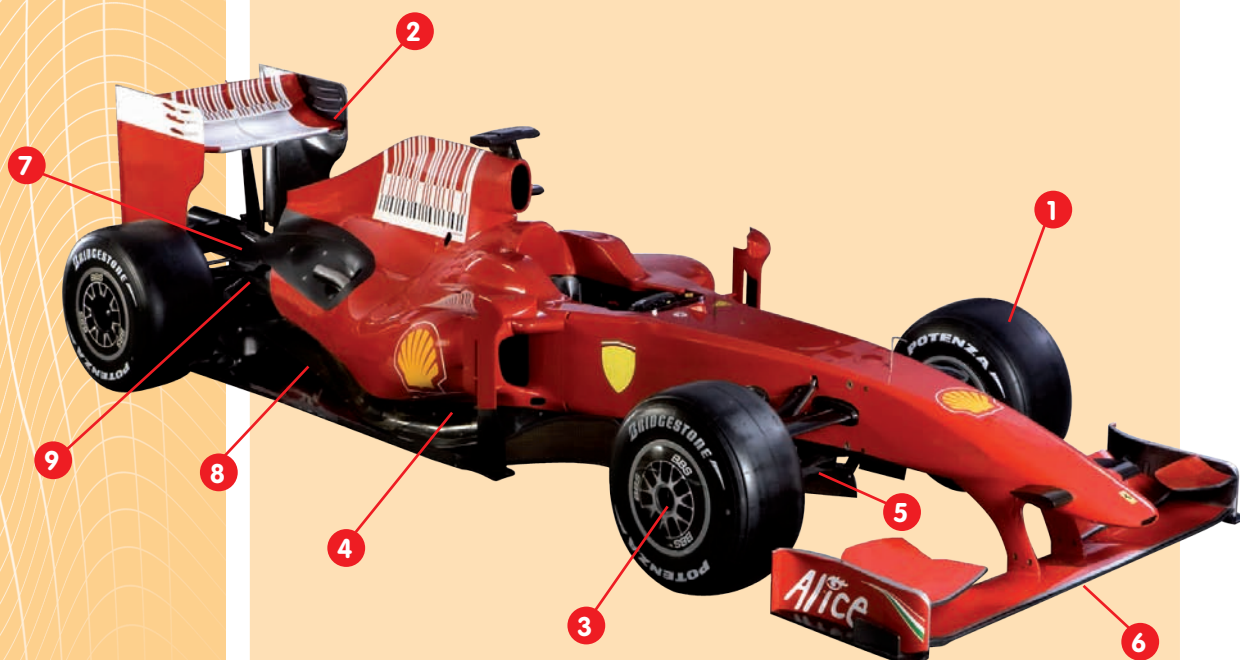
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APPLICATION	SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE
BOTTOM FLATNESS	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV 1000-N</b> <b>BAG-RTV- 200-N</b>
		 <p>Pag 4</p>
INSULATION, PROTECTION AND WIRE AND ELECTRICAL CONNECTION ASSEMBLY (E.G. CONTROL PANELS AND REMOTE CONTROLS)	<ul style="list-style-type: none"> <li>Black heat-shrinkable tubing in dispenser Ø from 12,7 to 6,4 mm</li> <li>Black heat-shrinkable tubing in dispenser Ø from 6,4 to 3,2 mm</li> <li>Black heat-shrinkable tubing in dispenser Ø from 3,2 to 1,6 mm</li> </ul>	<b>LST-TEC 12,7 BLACK</b> <b>LST-TEC 6.4 BLACK</b> <b>LST-TEC 3.2 BLACK</b>
		 <p>Pag 16</p>
FIXING OF CABLES AND WIRES	<ul style="list-style-type: none"> <li>Black nylon ties width 2,5 mm length 135 mm</li> <li>Black nylon ties width 3,6 mm length 200 mm</li> </ul>	<b>RAY-FASC N 25/135</b> <b>RAY-FASC N 36/200</b>
		 <p>Pag 17</p>
CONNECTION OF CONDUCTORS WITH CONNECTORS	<ul style="list-style-type: none"> <li>Screw connectors (up to 4 mm²)</li> </ul>	<b>RAY TT4</b>
		 <p>Pag 18</p>
INSULATION OF CONNECTIONS	<ul style="list-style-type: none"> <li>Crimp connectors of 1,5 mm²</li> <li>Crimp connectors of 2,5 mm²</li> </ul>	<b>RAYCON 1,5</b> <b>RAYCON 2,5</b>
		 <p>Pag 18</p>
INSULATION OF CONNECTIONS	<ul style="list-style-type: none"> <li>PVC self-adhesive tape</li> </ul>	<b>RAYTEAM 1510</b>
		 <p>Pag 12</p>
INSULATION OF CONNECTIONS	<ul style="list-style-type: none"> <li>Self-amalgamating tape</li> </ul>	<b>RAYTECH 2-3</b>
		 <p>Pag 12</p>



# MODEL MAKING

## SMALL CARS

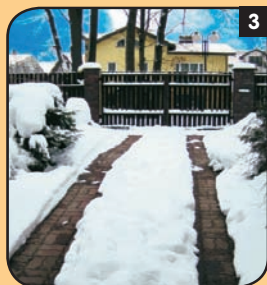


APPLICATION		SUGGESTED PRODUCT		
	DESCRIPTION	PRODUCT CODE		
PREPARATION OF COUNTER-MOULDS FOR RIGID MOULDS FOR POURING SOFT RUBBER	<ul style="list-style-type: none"><li>• Bi-component epoxy resin in bags of 170 g</li><li>• Bi-component epoxy resin in bags of 210 g</li><li>• Bi-component epoxy resin in bags of 420 g</li></ul>	RAYRESIN 170 RAYRESIN 210 RAYRESIN 420	 <div>Pag 16</div>	
	CREATION OF RUBBER TYRES	<ul style="list-style-type: none"><li>• Black liquid rubber in bags of 200 g</li></ul>	BAG-RTV 200-N	 <div>Pag 4</div>
	REPAIR OF DAMAGED MODEL PARTS MANUFACTURING THE MOULD INTO WHICH THE RESIN IS POURED	<ul style="list-style-type: none"><li>• Black liquid rubber in cans of 1 Kg</li><li>• Black liquid rubber in bags of 200 g</li></ul> <p><b>For the mould</b></p>	RAY-RTV 1000-N BAG-RTV 200-N	 <div>Pag 4</div>
	<ul style="list-style-type: none"><li>• Rubber in paste in cans of 500 g</li></ul> <p><b>For the mould</b></p>	RAY-MODEL 500	 <div>Pag 8</div>	
	<ul style="list-style-type: none"><li>• Bi-component epoxy resin in bags of 170 g</li></ul> <p><b>For the preparation of the resin part</b></p>	RAYRESIN 170	 <div>Pag 16</div>	



APPLICATION	SUGGESTED PRODUCT			
	DESCRIPTION	PRODUCT CODE		
SOFT RUBBER MOULDS FOR THE CREATION OF POURED RIGID DETAILS	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	RAY-RTV 1000-N BAG-RTV 200-N	 Pag 4	<b>3</b> 
CREATION OF RIGID DETAILS FOR POURING	<ul style="list-style-type: none"> <li>Bi-component epoxy resin in bags of 170 g</li> </ul>	RAYRESIN 170	 Pag 16	
MOULD CONSTRUCTION FOR DETAIL REPRODUCTION	<ul style="list-style-type: none"> <li>Black liquid rubber in bags of 200 g</li> </ul>	BAG-RTV 200-N	 Pag 4	<b>4</b> 
	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	RAY-MODEL 500	 Pag 8	
CAST MATERIAL FOR THE CREATION OF COPIES IN MOULDS	<ul style="list-style-type: none"> <li>Bi-component epoxy resin in bags of 170 g</li> </ul>	RAYRESIN 170	 Pag 16	
STRONG, RESISTANT AND ELASTIC BONDING OF MECHANICALLY STRESSED DETAILS	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul>	MAGIC ONE ADHESIVE	 Pag 12	<b>5</b> 
FAST, STRONG, RIGID AND RESISTANT BONDING OF DETAILS NOT SUBJECT TO HIGH MECHANICAL STRESS	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul>	RAY FAST ADHESIVE	 Pag 12	<b>6</b> 
TAPINGS AND ADHESIVE PROTECTIONS RESISTANT TO HIGH TEMPERATURES	<ul style="list-style-type: none"> <li>Fiberglass adhesive tape</li> </ul>	MCA-FV	 Pag 13	<b>7</b> 
INSULATION AND SEALING OF BATTERY LOCATIONS IN DYNAMIC MODELS	<ul style="list-style-type: none"> <li>Blue liquid gel in bag of 200 g</li> </ul>	BAG GEL 200-B	 Pag 6	<b>8</b> 
PREPARATION OF RUBBER CIRCULAR, LINEAR, DIAMOND-SHAPED GASKETS, SEALS, ETC.	<ul style="list-style-type: none"> <li>Kit for the creation of DIY rubber gaskets</li> </ul>	GASKET KIT	 Pag 21	<b>9</b> 












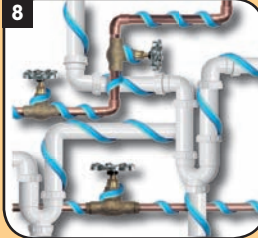


# CONSTRUCTION



APPLICATION	SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE
	RESISTANT AND FAST BONDINGS	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul> <b>RAY FAST ADHESIVE</b>  Pag 12
	STRONG AND ELASTIC BONDINGS	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul> <b>MAGIC ONE ADHESIVE</b>  Pag 12
	SEALING AND REPAIR OF CHIMNEY AND ROOF LEAKS	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> <li>Rubber in paste in tins of 5 Kg</li> </ul> <b>RAY-MODEL 500</b> <b>RAY-MODEL 5</b>  Pag 8
		<ul style="list-style-type: none"> <li>Pink liquid rubber in tins of 10 Kg</li> <li>Pink liquid rubber in cans of 1 Kg</li> <li>Pink liquid rubber in bags of 350 g</li> </ul> <b>RAY-RTV-10K-R</b> <b>RAY-RTV-1000-R</b> <b>BAG-RTV-350-R</b>  Pag 4
		<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul> <b>MAGIC ONE ADHESIVE</b>  Pag 12
	ANTI-FREEZE MAINTENANCE FOR WALKWAYS, CAR PARKS, STAIRS, SIDEWALKS AND RAMPS	<ul style="list-style-type: none"> <li>Constant power heating mat 4 m long - power 0,67 kW</li> <li>Constant power heating mat 7 m long - power 1,14 kW</li> </ul> <b>EASY RAMP 4/300</b> <b>EASY RAMP 7/300</b>  Pag 19
		<ul style="list-style-type: none"> <li>Self-regulating heating cable 50 W/m at 0°C In concrete</li> </ul> <b>MCA10</b>  Pag 21
		<ul style="list-style-type: none"> <li>Self-regulating heating cable 90 W/m at 0°C in concrete</li> </ul> <b>MCA20-RAMP</b>  Pag 21





APPLICATION	SUGGESTED PRODUCT		
DESCRIPTION		PRODUCT CODE	
RUBBERISING OF INTERSPACES AND APRONS	<ul style="list-style-type: none"> <li>• Black liquid rubber in cans of 1 Kg</li> <li>• Black liquid rubber in bags of 200 g</li> <li>• Black liquid rubber in bags of 350 g</li> </ul>	<b>RAY-RTV 1000-N</b> <b>BAG-RTV 200-N</b> <b>BAG-RTV 350-N</b>  Pag 4	
FIREPROOF SEALING, FILLING AND REPAIR OF CHIMNEYS	<ul style="list-style-type: none"> <li>• Rubber in paste in cans of 500 g</li> <li>• Rubber in paste in tins of 5 kg</li> </ul>	<b>RAY-MODEL 500</b> <b>RAY-MODEL 5</b>  Pag 8	
PREPARATION OF RUBBER CIRCULAR, LINEAR, DIAMOND-SHAPED GASKETS, SEALS, ETC.	<ul style="list-style-type: none"> <li>• Kit for the creation of DIY rubber gaskets</li> </ul>	<b>GASKET KIT</b>  Pag 21	
ANTIFREEZE KIT FOR GUTTERS, DOWNPIPES AND ROOFS	<ul style="list-style-type: none"> <li>• Constant power heating cable 20 W/m , 50 m long (kit power 1 kW)</li> <li>• Constant power heating cable 20 W/m, 102 m long (kit power 2,04 kW)</li> </ul>	<b>EASY FROST 50/20</b> <b>EASY FROST 102/20</b>  Pag 19	
	<ul style="list-style-type: none"> <li>• Self-regulating heating cable 40 W/m in iced water</li> </ul>	<b>MCA8</b>  Pag 20	
	<ul style="list-style-type: none"> <li>• Self-regulating heating cable 30 W/m in iced water</li> </ul>	<b>MCA6-COMPACT</b>  Pag 20	
ANTIFREEZE PROTECTION FOR PIPES, VALVES AND TAPS, WATER METERS, ETC.	<ul style="list-style-type: none"> <li>• Self-regulating heating cable 25 W/m a 10°C on pipes</li> </ul>	<b>MCA8</b>  Pag 20	
	<ul style="list-style-type: none"> <li>• Self-regulating heating cable 18 W/m a 10°C on pipes</li> </ul>	<b>MCA6-COMPACT</b>  Pag 20	
	<ul style="list-style-type: none"> <li>• Constant power heating cable with integrated thermostat and plug, 2 m long</li> <li>• Constant power heating cable with integrated thermostat and plug, 5 m long</li> </ul>	<b>STOP ICE 2/12</b> <b>STOP ICE 5/12</b>  Pag 18	

# THERMAL HYDRAULICS



## APPLICATION

## SUGGESTED PRODUCT

### DESCRIPTION

### PRODUCT CODE



1

NON-SLIP MATS  
IN SHOWERS AND TUBS

- Pink liquid rubber in cans of 1 Kg
- Pink liquid rubber in bags of 200 g

**RAY-RTV 1000-R**  
**BAG-RTV 200-R**



Pag 4



2

TAP AND PIPING GASKETS

- Rubber in paste in cans of 500 g

**RAY-MODEL 500**



Pag 8

- Kit for the creation of DIY rubber gaskets

**GASKET KIT**



Pag 21

ANTI-VIBRATION SYSTEMS  
(SHOCK ABSORBERS) FOR  
HOUSEHOLD APPLIANCES

- Black liquid rubber in cans of 1 Kg
- Black liquid rubber in bags of 200 g

**RAY-RTV 1000-N**  
**BAG-RTV 200-N**



Pag 4



3

STRONG AND ELASTIC  
BONDING (SKIRTING, METAL  
PARTS, CEMENT, PLASTIC  
FITTINGS, ETC.)

- Adhesive gel

**MAGIC ONE  
ADHESIVE**



Pag 12



4

FAST REPAIR OF LOW  
PRESSURE PIPES

- Gel accessories

**RAPID JOINT L10**  
**RAPID JOINT L6**



Pag 14



5

TAPED REPAIR OF  
LOW PRESSURE PIPES

- Self-amalgamating tape

**RAYTECH 2-3**



Pag 12

- PVC self-adhesive tape

**RAYTEAM 1925**



Pag 12



6

PREPARATION OF RUBBER  
CIRCULAR, LINEAR,  
DIAMOND-SHAPED  
GASKETS, SEALS, ETC.

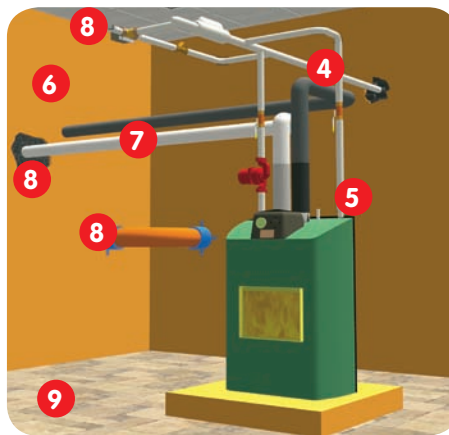
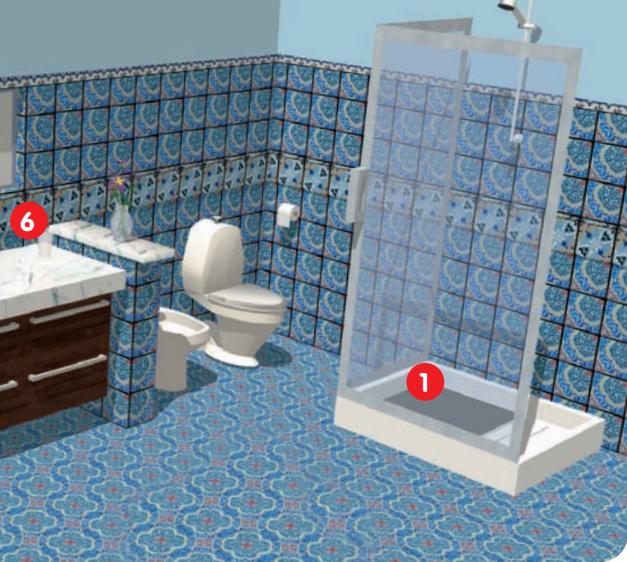
- Kit for the creation of DIY rubber gaskets









**GASKET KIT**

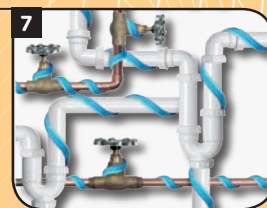


Pag 21











APPLICATION		SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE	
ANTIFREEZE PROTECTION FOR PIPES, TANKS, VALVES AND TAPS, WATER METERS, ETC	<ul style="list-style-type: none"> <li>Self regulating heating cable 18 W/m at 10°C on pipes</li> </ul>	<b>MCA6-COMPACT</b>	 <p>Pag 20</p>
	<ul style="list-style-type: none"> <li>Self regulating heating cable 25 W/m at 10°C on pipes</li> </ul>	<b>MCA8</b>	 <p>Pag 20</p>
	<ul style="list-style-type: none"> <li>Self regulating heating cable 33 W/m at 10°C on pipes</li> </ul>	<b>MCA10</b>	 <p>Pag 20</p>
	<ul style="list-style-type: none"> <li>Constant power heating cable with integrated thermostat and plug, 2 m long</li> <li>Constant power heating cable with integrated thermostat and plug, 5 m long</li> </ul>	<b>STOP ICE 2/12</b> <b>STOP ICE 5/12</b>	 <p>Pag 18</p>
CLASS REI 120 AND 180 FIRE BARRIERS, FOR THE PASS THROUGH IN WALLS OF METALLIC AND PLASTIC PIPES	<ul style="list-style-type: none"> <li>Panels 600x500x54 mm</li> <li>Bags 200x80x20 mm</li> <li>Bags 200x250x30 mm</li> <li>Bags 200x300x30 mm</li> <li>Mastic in cartridge of 310 ml</li> </ul>	<b>FSP-11</b> <b>FSB-11</b> <b>FSB-12</b> <b>FSB-13</b> <b>FSS 310</b>	 <p>Pag 22</p>
RESTORING OF THE CLASS REI 120 AND 180 OF CEILINGS IN CORRESPONDENCE OF FLUORESCENT LAMPS, SPOTS OR HALOGEN LAMPS	<ul style="list-style-type: none"> <li>Fluorescent lamps covering 720x750x150</li> <li>Fluorescent lamps covering 1330x700x140</li> <li>Dome-shaped covering for spots 350x230</li> <li>Cone-shaped covering for halogen lamps 250x280</li> </ul>	<b>FSCP 600</b> <b>FSCP 1200</b> <b>FSCF 350</b> <b>FSCF 250</b>	 <p>Pag 24</p>
SEALING IN CLASS REI 120 OF SMALL OPENINGS IN WALLS (≥100 MM THICK) FOR PASS THROUGH	<ul style="list-style-type: none"> <li>Expanding sealing foam - 700 ml can</li> </ul>	<b>FSF 700</b>	 <p>Pag 23</p>
SELF LEVELING RIGID PLANS, RIGID TILES ETC. REALIZATION	<ul style="list-style-type: none"> <li>Bi-component epoxy resin in bags of 170 g</li> <li>Bi-component epoxy resin in bags of 210 g</li> <li>Bi-component epoxy resin in bags of 420 g</li> </ul>	<b>RAYRESIN 170</b> <b>RAYRESIN 210</b> <b>RAYRESIN 420</b>	 <p>Pag 16</p>



# HOME



APPLICATION	SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE
EDGE PROTECTORS FOR CHILDREN	<ul style="list-style-type: none"><li>Rubber in paste in cans of 500 g</li></ul>	RAY-MODEL 500
		 <span>Pag 8</span>
STRONG AND ELASTIC BONDING (SKIRTING, METAL PARTS, CEMENT, PLASTIC FITTINGS, ETC.)	<ul style="list-style-type: none"><li>Adhesive gel</li></ul>	MAGIC ONE ADHESIVE
		 <span>Pag 12</span>
STRONG AND FAST BONDING	<ul style="list-style-type: none"><li>Cyan Acrylic adhesive</li></ul>	RAY FAST ADHESIVE
		 <span>Pag 12</span>
COPY AND REPAIR OF DAMAGED FRIEZES (E.G. HANDLES ETC.)	<ul style="list-style-type: none"><li>Rubber in paste in cans of 500 g</li></ul>	RAY-MODEL 500
	<ul style="list-style-type: none"><li>Black liquid rubber in cans of 1 Kg</li><li>Black liquid rubber in bags of 200 g</li></ul>	RAY-RTV 1000-N BAG-RTV 200-N
		 <span>Pag 8</span> <span>Pag 4</span>
CONSTRUCTION OF PROTECTIONS FOR REMOTE CONTROLS	<ul style="list-style-type: none"><li>Rubber in paste in cans of 500 g</li></ul>	RAY-MODEL 500
	<ul style="list-style-type: none"><li>Black liquid rubber in bags of 200 g</li><li>Pink liquid rubber in bags of 200 g</li></ul>	BAG-RTV 200-N BAG-RTV 200-R
		 <span>Pag 8</span> <span>Pag 4</span>
PREPARATION OF RUBBER CIRCULAR, LINEAR, DIAMOND-SHAPED GASKETS, SEALS, ETC.	<ul style="list-style-type: none"><li>Kit for the creation of DIY rubber gaskets</li></ul>	GASKET KIT
		 <span>Pag 21</span>
ANTIFREEZE PROTECTION FOR VASES OF FLOWERS AND SMALL TREES	<ul style="list-style-type: none"><li>Constant power heating cable with integrated thermostat and plug, 2 m long</li><li>Constant power heating cable with integrated thermostat and plug, 5 m long</li></ul>	STOP ICE 2/12 STOP ICE 5/12



# COSTUME JEWELLERY





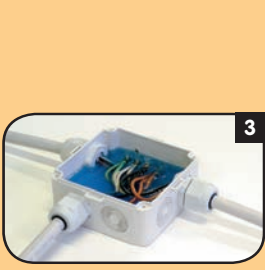





APPLICATION	SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE
CREATION OF MOULDS FOR RESIN OR LOW MELTING POINT METAL POURING	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>  Pag 8
	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV 1000-N</b> <b>BAG-RTV 200-N</b>  Pag 4
CREATION OF SIMULATED HARD STONES WITH HIGH HARDNESS RESINS	<ul style="list-style-type: none"> <li>Bi-component epoxy resin in bags of 170 g</li> </ul>	<b>RAYRESIN 170</b>  Pag 16
STRONG AND ELASTIC BONDING (METAL PARTS, PLASTIC OR LEATHER INSERTS, ETC.)	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul>	<b>MAGIC ONE ADHESIVE</b>  Pag 12
STRONG AND FAST BONDING (ADHESION OF HARD STONES OR RESIN SIMULATIONS IN BEZELS, ETC.)	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul>	<b>RAY FAST ADHESIVE</b>  Pag 12

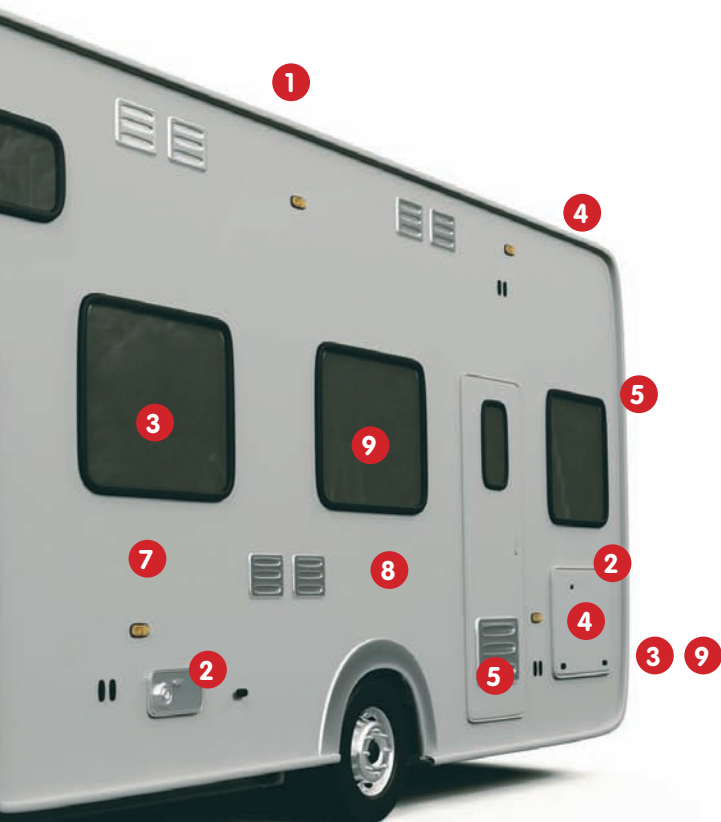


# CAMPER



APPLICATION	SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE
	<p>1</p> <p>WATER TANK, INLET AND OUTLET CLEAN AND SEWAGE WATER VALVE ANTI-FREEZE TRACING</p>	<ul style="list-style-type: none"> <li>• Constant power heating cable with integrated thermostat and plug, 5 m long</li> </ul> <p><b>STOP ICE 5/12</b></p>  <p>Pag 18</p>
	<p>2</p> <p>SEALING PLUGS, EDGE PROTECTORS, INSERTS, LEVELING WEDGES, FLAME-PROOF AND WATERPROOF PROTECTIONS</p>	<ul style="list-style-type: none"> <li>• Rubber in paste in cans of 500 g</li> </ul> <p><b>RAY-MODEL 500</b></p>  <p>Pag 8</p>
	<p>3</p> <p>CONNECTIONS IN IP68 BOXES INSIDE CAMPERS AND TO THE POWER</p>	<ul style="list-style-type: none"> <li>• Black liquid rubber in cans of 1 Kg</li> <li>• Black liquid rubber in bags of 200 g</li> </ul> <p><b>RAY-RTV 1000-N</b> <b>BAG-RTV 200-N</b></p>  <p>Pag 4</p>
	<p>4</p> <p>SEALING AND ANTI-CORROSION PROTECTION OF LOCKER, BOX DETAILS</p>	<ul style="list-style-type: none"> <li>• Blue liquid gel in bottle of 1 Kg</li> <li>• Blue liquid gel in bags of 200 g</li> </ul> <p><b>RAY-GEL 1000-B</b> <b>BAG-GEL 200-B</b></p>  <p>Pag 6</p>












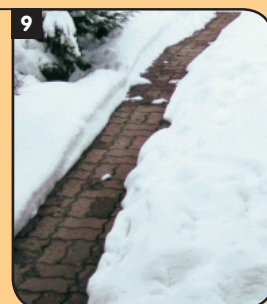
APPLICATION	SUGGESTED PRODUCT		
	DESCRIPTION	PRODUCT CODE	
STRONG AND ELASTIC BONDING OF METAL AND/OR PLASTIC PARTS, E.G. SUBJECT TO VIBRATION	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul>	MAGIC ONE ADHESIVE	 <p>Pag 12</p> 
STRONG AND FAST BONDING OF METAL, PLASTIC, ETC. PARTS, AS FAST REPAIRS	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul>	RAY FAST ADHESIVE	 <p>Pag 12</p> 
INSULATION OF CONNECTIONS WITH SELF-AMALGAMATING AND SELF-SEALING RUBBER, REINFORCED WITH PVC TAPE	<ul style="list-style-type: none"> <li>Self-amalgamating tape</li> </ul>	RAYTECH 2-3	 <p>Pag 12</p> 
	<ul style="list-style-type: none"> <li>PVC self-adhesive tape</li> </ul>	RAYTEAM 1925	 <p>Pag 12</p>
PREPARATION OF RUBBER CIRCULAR, LINEAR, DIAMOND-SHAPED GASKETS, SEALS, ETC.	<ul style="list-style-type: none"> <li>Kit for the creation of DIY rubber gaskets</li> </ul>	GASKET KIT	 <p>Pag 21</p> 
FAST CONNECTION FOR FEEDING CABLES	<ul style="list-style-type: none"> <li>Rapid gel-filled joint</li> </ul>	KING JOINT 0	 <p>Pag 13</p> 

# CAMPING



APPLICATION	SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE
 <b>1</b>	<p>WATER TANK, INLET AND OUTLET CLEAN AND SEWAGE WATER VALVE ANTI-FREEZE TRACING</p> <ul style="list-style-type: none"> <li>Constant power heating cable with integrated thermostat and plug, 5 m long</li> </ul>	<p><b>STOP ICE 5/12</b></p>  <p>Pag 18</p>
 <b>2</b>	<p>SEALING PLUGS, EDGE PROTECTORS, INSERTS, LEVELING WEDGES, FLAME-PROOF AND WATERPROOF PROTECTIONS</p> <ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<p><b>RAY-MODEL 500</b></p>  <p>Pag 8</p>
	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	<p><b>RAY-RTV 1000-N</b> <b>BAG-RTV 200-N</b></p>  <p>Pag 4</p>
 <b>3</b>	<p>CONNECTIONS IN IP68 BOXES INDOOR AND TO THE POWER</p> <ul style="list-style-type: none"> <li>Branch box IP68 kit 100 x 100 x h 50 mm</li> <li>Branch box IP68 kit 120 x 80 x h 50 mm</li> </ul>	<p><b>MAGIC BOX 100</b> <b>MAGIC BOX 120</b></p>  <p>Pag 15</p>
 <b>4</b>	<p>SEALING AND ANTI-CORROSION PROTECTION</p> <ul style="list-style-type: none"> <li>Blue liquid gel in bottle of 1 Kg</li> <li>Blue liquid gel in bags of 200 g</li> <li>Blue liquid gel in bags of 400 g</li> </ul>	<p><b>RAY-GEL 1000-B</b> <b>BAG-GEL 200-B</b> <b>BAG-GEL 400-B</b></p>  <p>Pag 6</p>
 <b>5</b>	<p>STRONG AND ELASTIC BONDING OF METAL AND/OR PLASTIC PARTS, E.G. SUBJECT TO VIBRATION</p> <ul style="list-style-type: none"> <li>Adhesive gel</li> </ul>	<p><b>MAGIC ONE ADHESIVE</b></p>  <p>Pag 12</p>

APPLICATION	SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE
STRONG AND FAST BONDING OF METAL, PLASTIC, ETC. PARTS, AS FAST REPAIRS	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul>	<b>RAY FAST ADHESIVE</b>  Pag 12
	<ul style="list-style-type: none"> <li>Self-amalgamating tape</li> </ul>	<b>RAYTECH 2-3</b>  Pag 12
INSULATION OF CONNECTIONS WITH SELF-AMALGAMATING AND SELF-SEALING RUBBER, REINFORCED WITH PVC TAPE	<ul style="list-style-type: none"> <li>PVC self-adhesive tape</li> </ul>	<b>RAYTEAM 1925</b>  Pag 12
PROTECTION FROM RISK OF ICE FORMATION IN GUTTERS	<ul style="list-style-type: none"> <li>Constant power heating cable, 20 W/m, 50 m long (power of the kit 1 kW)</li> </ul>	<b>EASY FROST 50/20</b>  Pag 19
	<ul style="list-style-type: none"> <li>Constant power heating cable, 20 W/m, 102 m long (power of the kit 2,04 kW)</li> </ul>	<b>EASY FROST 102/20</b>  Pag 20
	<ul style="list-style-type: none"> <li>Self regulating heating cable, 40 W/m in iced water</li> </ul>	<b>MCA8</b>  Pag 20
ANTI-FREEZE MAINTENANCE FOR WALKWAYS, CAR PARKS, STAIRS, PARKING AREAS	<ul style="list-style-type: none"> <li>Constant power heating mat 4 m long - power 0,67 kW</li> <li>Constant power heating mat 7 m long - power 1,14 kW</li> </ul>	<b>EASY RAMP 4/300</b> <b>EASY RAMP 7/300</b>  Pag 19
	<ul style="list-style-type: none"> <li>Self regulating heating cable 50 W/m at 0°C in concrete</li> </ul>	<b>MCA10</b>  Pag 21
	<ul style="list-style-type: none"> <li>Self regulating heating cable 90 W/m at 0°C in concrete</li> </ul>	<b>MCA20-RAMP</b>  Pag 21
PREPARATION OF RUBBER CIRCULAR, LINEAR, DIAMOND-SHAPED GASKETS, SEALS, ETC	<ul style="list-style-type: none"> <li>Kit for the creation of DIY rubber gaskets</li> </ul>	<b>GASKET KIT</b>  Pag 21














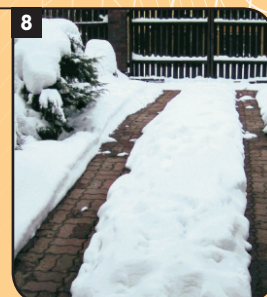
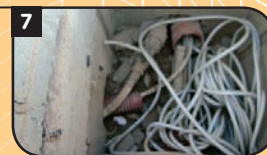


# GARDENING



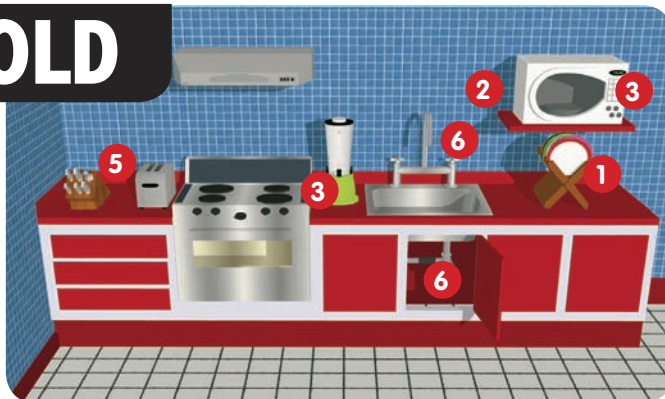
APPLICATION		SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE	
ANTI-FREEZE TRACING OF WATER TANKS, INLET AND OUTLET WATER VALVES AND PIPES	<ul style="list-style-type: none"><li>Constant power heating cable with integrated thermostat and plug, 2 m long</li><li>Constant power heating cable with integrated thermostat and plug, 5 m long</li></ul>	<b>STOP ICE 2/12</b> <b>STOP ICE 5/12</b>	 <div>Pag 1</div>
PIT, MANHOLE COVER AND GRATE SEALS	<ul style="list-style-type: none"><li>Rubber in paste in cans of 500 g</li></ul>	<b>RAY-MODEL 500</b>	 <div>Pag</div>
	<ul style="list-style-type: none"><li>Black liquid rubber in cans of 1 Kg</li><li>Black liquid rubber in bags of 350 g</li></ul>	<b>RAY-RTV 1000-N</b> <b>BAG-RTV 350-N</b>	 <div>Pag</div>
CONNECTIONS IN KIT IP68 FOR IRRIGATION AND ELECTRICAL SYSTEMS	<ul style="list-style-type: none"><li>Branch box IP68 kit 100 x 100 x h 50 mm</li><li>Branch box IP68 kit 120 x 80 x h 50 mm</li></ul>	<b>MAGIC BOX 100</b> <b>MAGIC BOX 120</b>	 <div>Pag 1</div>
SEALING AND ANTI-CORROSION PROTECTION	<ul style="list-style-type: none"><li>Blue liquid gel in bottle of 1 Kg</li><li>Blue liquid gel in bags of 200 g</li><li>Blue liquid gel in bags of 400 g</li></ul>	<b>RAY-GEL 1000-B</b> <b>BAG-GEL 200-B</b> <b>BAG-GEL 400-B</b>	 <div>Pag</div>
STRONG AND FAST BONDING OF METAL AND/OR PLASTIC PARTS, E.G. SUBJECT TO VIBRATION	<ul style="list-style-type: none"><li>Adhesive gel</li></ul>	<b>MAGIC ONE ADHESIVE</b>	 <div>Pag 1</div>
STRONG AND FAST BONDING OF METAL, PLASTIC, ETC. PARTS, AS FAST REPAIRS	<ul style="list-style-type: none"><li>Cyan Acrylic adhesive</li></ul>	<b>RAY FAST ADHESIVE</b>	 <div>Pag 1</div>

APPLICATION	SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE
QUICK IP68 CONNECTION OF ELECTRICAL CABLES AND BRANCHES	<ul style="list-style-type: none"> <li>Straight and branch joints with bi-component, fast cross linking insulation</li> </ul>	<b>MAGIC JOINT 4</b> <b>MAGIC JOINT Y6</b>  Pag 14
	<ul style="list-style-type: none"> <li>Straight and branch rapid gel joints</li> </ul>	<b>RAPID JOINT L6</b> <b>CLIK 2001-FIRE</b>  Pag 14
	<ul style="list-style-type: none"> <li>Straight and branch rapid gel joints for 5 core cables</li> </ul>	<b>KING JOINT 0</b> <b>KING JOINT 1</b>  Pag 13
ANTI-FREEZE MAINTENANCE FOR WALKWAYS, CAR PARKS, STAIRS, PARKING AREAS AND RAMPS	<ul style="list-style-type: none"> <li>Constant power heating mat 4 m long - power 0,67 kW</li> <li>Constant power heating mat 7 m long - power 1,14 kW</li> </ul>	<b>EASY RAMP 4/300</b> <b>EASY RAMP 7/300</b>  Pag 19
	<ul style="list-style-type: none"> <li>Self regulating heating cable 50 W/m at 0°C in concrete</li> </ul>	<b>MCA10</b>  Pag 21
	<ul style="list-style-type: none"> <li>Self regulating heating cable 90 W/m at 0°C in concrete</li> </ul>	<b>MCA20-RAMP</b>  Pag 21
PROTECTION FROM RISK OF ICE FORMATION IN GUTTERS	<ul style="list-style-type: none"> <li>Constant power heating cable, 20 W/m, 50 m long (power of the kit 1 kW)</li> <li>Constant power heating cable, 20 W/m, 102 m long (power of the kit 2,04 kW)</li> </ul>	<b>EASY FROST 50/20</b> <b>EASY FROST102/20</b>  Pag 19
	<ul style="list-style-type: none"> <li>Self regulating heating cable, 40 W/m in iced water</li> </ul>	<b>MCA8</b>  Pag 20
	<ul style="list-style-type: none"> <li>Self regulating heating cable, 30 W/m in iced water</li> </ul>	<b>MCA6-COMPACT</b>  Pag 20
PREPARATION OF RUBBER CIRCULAR, LINEAR, DIAMOND-SHAPED GASKETS, SEALS, ETC.	<ul style="list-style-type: none"> <li>Kit for the creation of DIY rubber gaskets</li> </ul>	<b>GASKET KIT</b>  Pag 21
ANTIFREEZE TRACING OF THE DRINKERS FOR ANIMALS	<ul style="list-style-type: none"> <li>Constant power heating cable with integrated thermostat and plug, 2 or 5 m long</li> </ul>	<b>STOP ICE 2/12</b> <b>STOP ICE 5/12</b>  Pag 18





# HOUSEHOLD



APPLICATION	SUGGESTED PRODUCT		
	DESCRIPTION	PRODUCT CODE	
	QUICK BONDING OF CERAMIC TABLEWARE	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul> <b>RAY FAST ADHESIVE</b>	 <p>Pag 12</p>
	STRONG AND ELASTIC FASTENING OF SHELVES AND SUPPORTS	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul> <b>MAGIC ONE ADHESIVE</b>	 <p>Pag 12</p>
	ANTI-VIBRATION SHOCK ABSORBERS FOR HOUSEHOLD APPLIANCES	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul> <b>RAY-MODEL 500</b>	 <p>Pag 8</p>
		<ul style="list-style-type: none"> <li>Black liquid rubber in bags of 200 g</li> <li>Black liquid rubber in bags of 350 g</li> </ul> <b>BAG-RTV 200-N</b> <b>BAG-RTV 350-N</b>	 <p>Pag 4</p>
	GLASS SEALING AGAINST RAIN, DRAFTS, ETC.	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul> <b>RAY-MODEL 500</b>	 <p>Pag 8</p>
		<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> </ul> <b>RAY-RTV 1000-N</b> <b>BAG-RTV 350-N</b>	 <p>Pag 4</p>
	COOKING MOULDS	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 200 g</li> </ul> <b>RAY-RTV 1000-N</b> <b>BAG-RTV 200-N</b>	 <p>Pag 4</p>
	PREPARATION OF RUBBER CIRCULAR, LINEAR, DIAMOND-SHAPED GASKETS, SEALS, ETC.	<ul style="list-style-type: none"> <li>Kit for the creation of DIY rubber gaskets</li> </ul> <b>GASKET KIT</b>	 <p>Pag 21</p>
	ANTIFREEZE PROTECTION FOR VASES OF FLOWERS AND SMALL TREES	<ul style="list-style-type: none"> <li>Constant power heating cable with integrated thermostat and plug, 2 m long</li> <li>Constant power heating cable with integrated thermostat and plug, 5 m long</li> </ul> <b>STOP ICE 2/12</b> <b>STOP ICE 5/12</b>	 <p>Pag 18</p>



# TOYS



## APPLICATION

## SUGGESTED PRODUCT

DECALS AND DECORATIONS FOR WINDOWS, MODEL CARS. REMOVABLE AND NON-TOXIC

### DESCRIPTION

- Blue liquid gel in bottle of 1 Kg
- Transparent liquid gel in bottle of 1 Kg
- Green liquid gel in bottle of 1 Kg
- Red liquid gel in bottle of 1 Kg
- Blue liquid gel in bags of 200 g
- Transparent liquid gel in bags of 200 g
- Green liquid gel in bags of 200 g
- Red liquid gel in bags of 200 g

### PRODUCT CODE

RAY-GEL 1000-B  
RAY-GEL 1000-T  
RAY-GEL 1000-V  
RAY-GEL 1000-R  
BAG-GEL 200-B  
BAG-GEL 200-T  
BAG-GEL 200-V  
BAG-GEL 200-R



Pag 6

- Black liquid rubber in cans of 1 Kg
- Pink liquid rubber in cans of 1 Kg
- Black liquid rubber in bags of 200 g
- Pink liquid rubber in bags of 200 g

RAY-RTV 1000-N  
RAY-RTV 1000-R  
BAG-RTV 200-N  
BAG-RTV 200-R



Pag 4



DAMAGED ITEM REPAIR WITH FAST SETTING ADHESIVE

- Cyan Acrylic adhesive

RAY FAST ADHESIVE



Pag 12



MOULDS FOR LOW MELTING POINT RESIN, PLASTER OR METAL POURING. CREATION OF RUBBER DETAILS FOR CARS OR IRON MODELS

- Rubber in paste in cans of 500 g

RAY-MODEL 500



Pag 8

- Black liquid rubber in cans of 1 Kg
- Black liquid rubber in bags of 200 g

RAY-RTV 1000-N  
BAG-RTV 200-N



Pag 4



CREATION OF RUBBER PUPPETS AND TOYS. NON-TOXIC, SELF-EXTINGUISHING, EASY TO MODEL AND FAST-SETTING

- Rubber in paste in cans of 500 g

RAY-MODEL 500



Pag 8



MOULDS FOR TOYS WITH SAND, FOR MINI KITCHEN UTENSILS, ETC.

- Rubber in paste in cans of 500 g

RAY-MODEL 500



Pag 8

- Black liquid rubber in cans of 1 Kg
- Pink liquid rubber in cans of 1 Kg
- Black liquid rubber in bags of 350 g
- Pink liquid rubber in bags of 350 g
- Black liquid rubber in bags of 200 g
- Pink liquid rubber in bags of 200 g

RAY-RTV 1000-N  
RAY-RTV 1000-R  
BAG-RTV 350-N  
BAG-RTV 350-R  
BAG-RTV 200-N  
BAG-RTV 200-R



Pag 4



# ELECTROTECHNICAL



	APPLICATION	SUGGESTED PRODUCT	
		DESCRIPTION	PRODUCT CODE
	<b>1</b> ANTI-FREEZE TRACING FOR PIPES, VALVES AND WATER METERS	<ul style="list-style-type: none"> <li>Constant power heating cable with integrated thermostat and plug, 2 or 5 m long</li> </ul>	<b>STOP ICE 2/12</b> <b>STOP ICE 5/12</b>  Pag 18
		<ul style="list-style-type: none"> <li>Straight and branch joints with bi-component, fast cross linking insulation</li> </ul>	<b>MAGIC JOINT 4</b> <b>MAGIC JOINT 10</b> <b>MAGIC JOINT Y6</b>  Pag 14
		<ul style="list-style-type: none"> <li>Straight and branch rapid gel joints</li> </ul>	<b>RAPID JOINT L6</b> <b>CLIK 2001-FIRE</b>  Pag 14
	<b>3</b> PIT, MANHOLE COVER AND GRATE SEALS	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>  Pag 8
		<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> </ul>	<b>RAY-RTV 1000-N</b> <b>BAG-RTV 350-N</b>  Pag 4
	<b>4</b> TAPING FOR ELECTRICAL USE AND PROTECTION	<ul style="list-style-type: none"> <li>PVC self-adhesive tape</li> </ul>	<b>RAYTEAM 1510</b> <b>RAYTEAM 1925</b>  Pag 12

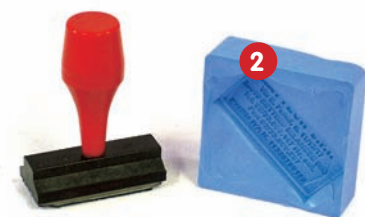









APPLICATION	SUGGESTED PRODUCT		
	DESCRIPTION	PRODUCT CODE	
SEALING AND PROTECTION IN EARTHING PITS FOR LIGHTING AND EARTHING	<ul style="list-style-type: none"> <li>Blue liquid gel in bottle of 1 Kg</li> <li>Blue liquid gel in bags of 200 g</li> <li>Blue liquid gel in bags of 400 g</li> <li>Blue liquid gel in tins of 10 kg</li> </ul>	<b>RAY-GEL 1000-B</b> <b>BAG-GEL 200-B</b> <b>BAG-GEL 400-B</b> <b>RAY-GEL 10K-B</b>	 Pag 6
INSULATIONS WITH MECHANICALLY RIGID MATERIALS	<ul style="list-style-type: none"> <li>Resina bicomponente in busta da 170 g</li> <li>Resina bicomponente in busta da 210 g</li> <li>Resina bicomponente in busta da 420 g</li> </ul>	<b>RAYRESIN 170</b> <b>RAYRESIN 210</b> <b>RAYRESIN 420</b>	 Pag 16
ELECTRICAL BRANCH KITS IP68	<ul style="list-style-type: none"> <li>Branch box IP68 kit 100 x 100 x h 50 mm</li> <li>Branch box IP68 kit 120 x 80 x h 50 mm</li> </ul>	<b>MAGIC BOX 100</b>  <b>MAGIC BOX 120</b>	 Pag 15
SEALING WITH SELF-AMALGAMATING RUBBER TAPE. ELECTRICAL INSULATION AND CONNECTIONS	<ul style="list-style-type: none"> <li>Self-amalgamating tape</li> </ul>	<b>RAYTECH 2-3</b>	 Pag 12
CONNECTOR INSULATION AND PROTECTIONS	<ul style="list-style-type: none"> <li>Black heat-shrinkable tubing in dispenser Ø from 12,7 to 6,4 mm</li> <li>Black heat-shrinkable tubing in dispenser Ø from 6,4 to 3,2 mm</li> <li>Black heat-shrinkable tubing in dispenser Ø from 3,2 to 1,6 mm</li> </ul>	<b>LST-TEC 12,7 BLACK</b> <b>LST-TEC 6.4 BLACK</b> <b>LST-TEC 3.2 BLACK</b>	 Pag 16
NON-TOXIC LUBRICANTS FOR THREADING CABLES IN DUCTS	<ul style="list-style-type: none"> <li>Lubricant gel</li> </ul>	<b>SPEEDY WIRE GEL</b>	 Pag 25
CONNECTION OF CONDUCTORS, WITH CONNECTORS: CRIMP SECTION 1.5 - 2.5 mm <sup>2</sup> SCREW UP TO 6 mm <sup>2</sup>	<ul style="list-style-type: none"> <li>Screw connectors (up to 4 mm<sup>2</sup>)</li> <li>Screw connectors (up to 6 mm<sup>2</sup>)</li> </ul>	<b>RAY TT4</b> <b>RAY TT6</b>	 Pag 18
	<ul style="list-style-type: none"> <li>Crimp connectors of 1,5 mm<sup>2</sup></li> <li>Crimp connectors of 2,5 mm<sup>2</sup></li> </ul>	<b>RAYCON 1,5</b> <b>RAYCON 2,5</b>	 Pag 18
INSULATION WITH SHEATHS FOR HIGH TEMPERATURE CONNECTIONS TO HALOGEN LAMPS	<ul style="list-style-type: none"> <li>Fiberglass, silicone covered expandable tbraid 3 to 8 mm</li> <li>Fiberglass, silicone covered expandable braid 5 to 14 mm</li> </ul>	<b>RAY-EXP 3/8</b>  <b>RAY-EXP 5/14</b>	 Pag 17
PREPARATION OF RUBBER CIRCULAR, LINEAR, DIAMOND-SHAPED GASKETS, SEALS, ETC.	<ul style="list-style-type: none"> <li>Kit for the creation of DIY rubber gaskets</li> </ul>	<b>GASKET KIT</b>	 Pag 21












# ARTISANAL

SCENOGRAPHY  
AND PROTOTYPES



APPLICATION	SUGGESTED PRODUCT		
	DESCRIPTION	PRODUCT CODE	
 <p>CREATION OF MOULDS FOR LOW MELTING POINT RESIN OR METAL POURING</p>	<ul style="list-style-type: none"> <li>• Black liquid rubber in cans of 1 Kg</li> <li>• Black liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-200-N</b>	 <p>Pag 4</p>
	<ul style="list-style-type: none"> <li>• Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 <p>Pag 8</p>
	<p>POSITIVE REPRODUCTION OF RELIEF DETAILS FOR POURING OF RIGID RESIN</p> <ul style="list-style-type: none"> <li>• Bi-component epoxy resin in bags of 170 g</li> <li>• Bi-component epoxy resin in bags of 210 g</li> </ul>	<b>RAYRESIN 170</b> <b>RAYRESIN 210</b>	 <p>Pag 16</p>
 <p>CREATION OF STAMPS, INCLUDING FOR INDUSTRIAL USE</p>	<ul style="list-style-type: none"> <li>• Black liquid rubber in cans of 1 Kg</li> <li>• Black liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-200-N</b>	 <p>Pag 4</p>
	<ul style="list-style-type: none"> <li>• Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 <p>Pag 8</p>

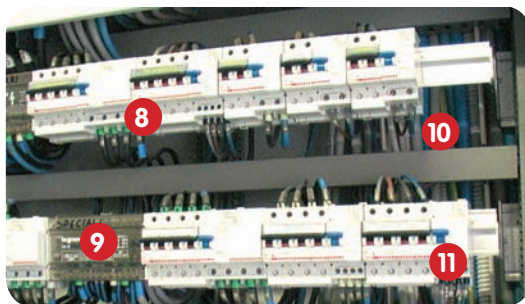
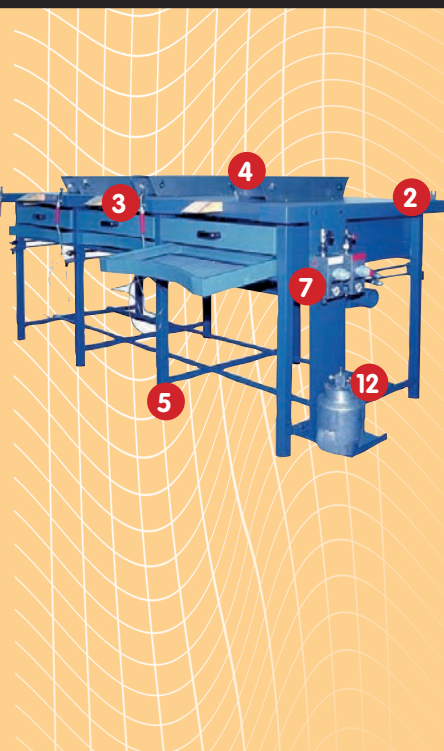


APPLICATION	SUGGESTED PRODUCT		
	DESCRIPTION	PRODUCT CODE	
COMPLEX PROFILE RELIEF. MOULD CREATIONS FOR POURING OF RESIN FOR MACHINE COMPONENT PROTOTYPE REPRODUCTION	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-200-N</b>	 Pag 4
	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 Pag 8
POURED MATERIAL (RESIN) FOR THE CONSTRUCTION OF DETAILS	<ul style="list-style-type: none"> <li>Bi-component epoxy resin in bags of 170 g</li> <li>Bi-component epoxy resin in bags of 210 g</li> </ul>	<b>RAYRESIN 170</b> <b>RAYRESIN 210</b>	 Pag 16
CREATION OF COUNTER-MOULDS FOR THEATRE AND SCENOGRAPHY USE	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Pink liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> <li>Pink liquid rubber in bags of 350 g</li> <li>Black liquid rubber in bags of 200 g</li> <li>Pink liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>RAY-RTV-1000-R</b> <b>BAG-RTV-350-N</b> <b>BAG-RTV-350-R</b> <b>BAG-RTV-200-N</b> <b>BAG-RTV-200-R</b>	 Pag 4
	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 Pag 8
CREATION OF POSITIVE OF MASKS	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Pink liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 200 g</li> <li>Pink liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>RAY-RTV-1000-R</b> <b>BAG-RTV-200-N</b> <b>BAG-RTV-200-R</b>	 Pag 4
CREATION OF RUBBER MASK COVERS	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 Pag 8
BONDING OF DETAILS WITH FLEXIBLE ADHESIVES (RUBBER ON RUBBER OR ON FLEXIBLE PARTS)	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul>	<b>MAGIC ONE ADHESIVE</b>	 Pag 12
FAST BONDING OF RIGID ITEMS (BEADS, METAL FRIEZES, ETC.)	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul>	<b>RAY FAST ADHESIVE</b>	 Pag 12





# HARDWARE



APPLICATION	SUGGESTED PRODUCT		
	DESCRIPTION	PRODUCT CODE	
DOORSTOPS AND WINDOWS, LIMIT BUMPER PLUGS	<ul style="list-style-type: none"><li>• Black liquid rubber in cans of 1 Kg</li><li>• Black liquid rubber in bags of 200 g</li></ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-200-N</b>	 <div>Pag 4</div>
	<ul style="list-style-type: none"><li>• Rubber in paste in cans of 500 g</li></ul>	<b>RAY-MODEL 500</b>	 <div>Pag 8</div>
EDGE PROTECTORS AND SAFETY COVERINGS	<ul style="list-style-type: none"><li>• Rubber in paste in cans of 500 g</li></ul>	<b>RAY-MODEL 500</b>	 <div>Pag 8</div>
SHIMS AND ELASTIC SUPPORT	<ul style="list-style-type: none"><li>• Rubber in paste in cans of 500 g</li></ul>	<b>RAY-MODEL 500</b>	 <div>Pag 8</div>
	<ul style="list-style-type: none"><li>• Black liquid rubber in cans of 1 Kg</li><li>• Black liquid rubber in bags of 350 g</li><li>• Black liquid rubber in bags of 200 g</li></ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-350-N</b> <b>BAG-RTV-200-N</b>	 <div>Pag 4</div>
FLATNESS WITH SELF-LEVELING LIQUID RUBBERS AND GELS	<ul style="list-style-type: none"><li>• Blue liquid gel in bottle of 1 Kg</li><li>• Blue liquid gel in bags of 200 g</li><li>• Blue liquid gel in bags of 400 g</li></ul>	<b>RAY-GEL 1000-B</b> <b>BAG-GEL 200-B</b> <b>BAG-GEL 400-B</b>	 <div>Pag 6</div>
	<ul style="list-style-type: none"><li>• Pink liquid rubber in cans of 1 Kg</li><li>• Pink liquid rubber in bags of 350 g</li><li>• Pink liquid rubber in bags of 200 g</li></ul>	<b>RAY-RTV-1000-R</b> <b>BAG-RTV-350-R</b> <b>BAG-RTV-200-R</b>	 <div>Pag 4</div>

APPLICATION	SUGGESTED PRODUCT			
	DESCRIPTION	PRODUCT CODE		
SHIMS AND SHELF COVERINGS AND SUPPORTS	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	RAY-MODEL 500	 Pag 8	
	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	RAY-RTV-1000-N BAG-RTV-350-N BAG-RTV-200-N	 Pag 4	
MOULDS AND POURING MATERIALS FOR FAST PROTOTYPING OR CREATION OF DETAILS IN RESIN, PLASTER, METAL ALLOYS, ETC.	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	RAY-MODEL 500	 Pag 8	
	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	RAY-RTV-1000-N BAG-RTV-350-N BAG-RTV-200-N	 Pag 4	
MATERIAL TO BE POURED INTO MODULS TO REALIZE RIGID ITEMS	<ul style="list-style-type: none"> <li>Bi-component epoxy resin in bags of 170 g</li> <li>Bi-component epoxy resin in bags of 210 g</li> <li>Bi-component epoxy resin in bags of 420 g</li> </ul>	RAYRESIN 170 RAYRESIN 210 RAYRESIN 420	 Pag 16	
STRONG AND ELASTIC, VIBRATION RESISTANT BONDING	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul>	MAGIC ONE ADHESIVE	 Pag 12	
STRONG AND FAST BONDING	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul>	RAY FAST ADHESIVE	 Pag 12	
NON-TOXIC LUBRICANTS FOR THREADING CABLES IN DUCTS	<ul style="list-style-type: none"> <li>Lubricant gel</li> </ul>	SPEEDY WIRE GEL	 Pag 25	
TAPING FOR ELECTRICAL USE, PROTECTION AND GENERAL USE	<ul style="list-style-type: none"> <li>PVC self-adhesive tape</li> </ul>	RAYTEAM 1925 RAYTEAM 1510	 Pag 12	
SEALING WITH SELF-AMALGAMATING RUBBER TAPE. ELECTRICAL CONNECTION INSULATION	<ul style="list-style-type: none"> <li>Self-amalgamating tape</li> </ul>	RAYTECH 2-3	 Pag 12	
CONNECTOR INSULATION, PROTECTION AND COVERINGS WITH HEAT-SHRINKING TUBING	<ul style="list-style-type: none"> <li>Black heat-shrinkable tubing in dispenser Ø from 12,7 to 6,4 mm</li> <li>Black heat-shrinkable tubing in dispenser Ø from 6,4 to 3,2 mm</li> <li>Black heat-shrinkable tubing in dispenser Ø from 3,2 to 1,6 mm</li> </ul>	LST-TEC 12,7 BLACK LST-TEC 6.4 BLACK LST-TEC 3.2 BLACK	 Pag 16	
PREPARATION OF RUBBER CIRCULAR, LINEAR, DIAMOND-SHAPED GASKETS, SEALS, ETC.	<ul style="list-style-type: none"> <li>Kit for the creation of DIY rubber gaskets</li> </ul>	GASKET KIT	 Pag 21	



# TRANSPORTS

CARS,  
MOTORCYCLES  
AND BOATS



APPLICATION	SUGGESTED PRODUCT		
	DESCRIPTION	PRODUCT CODE	
 <p>1</p>	<p>PROFILE RUBBERISING AND ON SITE PACKAGING OF SEALS FOR SEALING AND TO PREVENT DYNAMIC AIR NOISE, FOR EXAMPLE DOOR TRIMS, ENGINE COMPARTMENTS OR TRUNKS</p>	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	<p><b>RAY-RTV-1000-N</b> <b>BAG-RTV-350-N</b> <b>BAG-RTV-200-N</b></p>  <p>Pag 4</p>
	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 <p>Pag 8</p>
 <p>2</p>	<p>INTERNAL COVERINGS AND PACKAGING OF MATS FOR TRUNKS, ETC. FLOORING FINISHING IN NON-SLIP, SALINE-RESISTANT MATERIAL, HANDRAIL COVERINGS</p>	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> </ul>	<p><b>RAY-RTV-1000-N</b> <b>BAG-RTV-350-N</b></p>  <p>Pag 4</p>
 <p>3</p>	<p>BATTERY COMPARTMENT AND CONTROL UNIT COMPARTMENT SEALING</p>	<ul style="list-style-type: none"> <li>Blue liquid gel in bottle of 1 Kg</li> <li>Blue liquid gel in bags of 200 g</li> <li>Blue liquid gel in bags of 400 g</li> </ul>	<p><b>RAY-GEL 1000-B</b> <b>BAG-GEL 200-B</b> <b>BAG-GEL 400-B</b></p>  <p>Pag 6</p>
	<p>ELASTIC SHIMS FOR CLAMPING BATTERIES INTO COMPARTMENTS</p>	<ul style="list-style-type: none"> <li>Pink liquid rubber in cans of 1 Kg</li> <li>Pink liquid rubber in bags of 200 g</li> </ul>	<p><b>RAY-RTV-1000-R</b> <b>BAG-RTV-200-R</b></p>  <p>Pag 4</p>
	<p>RECONSTRUCTION OF PIPETTES, BATTERY TERMINAL COVERING</p>	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<p><b>RAY-MODEL 500</b></p>  <p>Pag 8</p>
 <p>4</p>	<p>CONSTRUCTION OF EMERGENCY PLUGS OR SEALS FOR RADIATORS</p>	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	<p><b>RAY-RTV-1000-N</b> <b>BAG-RTV-200-N</b></p>  <p>Pag 4</p>
		<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<p><b>RAY-MODEL 500</b></p>  <p>Pag 8</p>

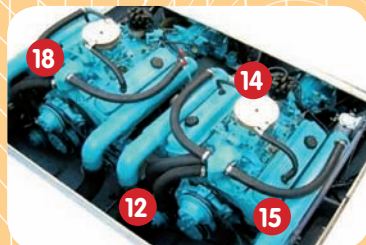


APPLICATION	SUGGESTED PRODUCT			
	DESCRIPTION	PRODUCT CODE		
PACKAGING OF ANTI-VIBRATION PADS AND SHIMS FOR ENGINE COMPARTMENTS	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-350-N</b> <b>BAG-RTV-200-N</b>	 Pag 4	 5
	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 Pag 8	
STRONG, HIGH TEMPERATURE RESISTANT BONDING, INCLUDING FOR SEALING: BULKHEADS, SOUND-ABSORBENT PADDING, PROFILES, ETC.	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul>	<b>MAGIC ONE ADHESIVE</b>	 Pag 12	 6
FAST REPAIRS AND STRONG, FAST BONDING OF PROFILES, PLASTIC AND METAL PARTS, GLASS ETC.	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul>	<b>RAY FAST ADHESIVE</b>	 Pag 12	 7
INSULATION WITH SHEATHS FOR HIGH TEMPERATURE CONNECTIONS TO HALOGEN LAMPS AND LIGHTS	<ul style="list-style-type: none"> <li>Fiberglass, silicone covered expandable braid 3 to 8 mm</li> <li>Fiberglass, silicone covered expandable braid 5 to 14 mm</li> </ul>	<b>RAY-EXP 3/8</b> <b>RAY-EXP 5/14</b>	 Pag 17	 8
CLOSING OF SMALL LEAKS AND INSTALLATION SEALING	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-200-N</b>	 Pag 4	 9
	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 Pag 8	
	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul>	<b>MAGIC ONE ADHESIVE</b>	 Pag 12	
ANCHOR HAWSE INTERNAL COVERINGS	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-350-N</b>	 Pag 4	 10
	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> <li>Rubber in paste in tins of 5 kg</li> </ul>	<b>RAY-MODEL 500</b> <b>RAY-MODEL 5</b>	 Pag 8	
WATERTIGHT SALINE-RESISTANT BOXES IP68 FOR ELECTRICAL AND BRANCH CONNECTIONS, HIGHLY FLAME RETARDED	Branch box IP68 kits: <ul style="list-style-type: none"> <li>Ø 65 x h 35 mm</li> <li>Ø 80 x h 40 mm</li> <li>100 x 100 x h 50 mm</li> <li>120 x 80 x h 50 mm</li> <li>150 x 110 x h 70 mm</li> </ul>	<b>MAGIC BOX 65</b> <b>MAGIC BOX 80</b> <b>MAGIC BOX 100</b> <b>MAGIC BOX 120</b> <b>MAGIC BOX 150</b>	 Pag 15	 11



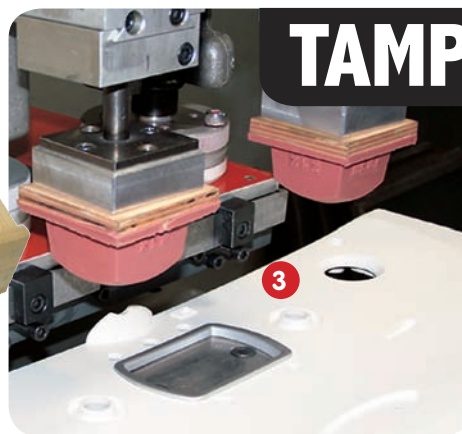
# TRANSPORTS

CARS,  
MOTORCYCLES  
AND BOATS



APPLICATION	SUGGESTED PRODUCT	
	DESCRIPTION	PRODUCT CODE
 12	SMALL PROPELLER SHAFT SEALING GASKETS • Rubber in paste in cans of 500 g	<b>RAY-MODEL 500</b>  Pag 8
 13	SUPPORT CASTING FOR HANDRAIL FASTENING SCREW PROTECTION • Rubber in paste in cans of 500 g	<b>RAY-MODEL 500</b>  Pag 8
 14	ANTI-FREEZE MAINTENANCE FOR ON BOARD WATER PIPES, VALVES, ETC. • Constant power heating cable with integrated thermostat and plug, 2 o 5 m long	<b>STOP ICE 2/12</b> <b>STOP ICE 5/12</b>  Pag 18
 15	SEALING, INSULATION AND PROTECTION AGAINST HUMIDITY AND WATER INFILTRATION IN ELECTRICAL CIRCUITS • Blue liquid gel in bottle of 1 Kg • Blue liquid gel in bags of 200 g • Blue liquid gel in bags of 400 g	<b>RAY-GEL 1000-B</b> <b>BAG-GEL 200-B</b> <b>BAG-GEL 400-B</b>  Pag 6
 16	SEALING AND CENTERING OF ROTATING ANTENNA SHAFTS • Rubber in paste in cans of 500 g	<b>RAY-MODEL 500</b>  Pag 8
 17	RECONSTRUCTION OR REPAIR OF PORTHOLE SEALS • Black liquid rubber in cans of 1 Kg • Black liquid rubber in bags of 350 g • Black liquid rubber in bags of 200 g	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-350-N</b> <b>BAG-RTV-200-N</b>  Pag 4
	• Rubber in paste in cans of 500 g	<b>RAY-MODEL 500</b>  Pag 8
 18	PREPARATION OF RUBBER CIRCULAR, LINEAR, DIAMOND-SHAPED GASKETS, SEALS, ETC. • Kit for the creation of DIY rubber gaskets	<b>GASKET KIT</b>  Pag 21





# TAMPOGRAPHY

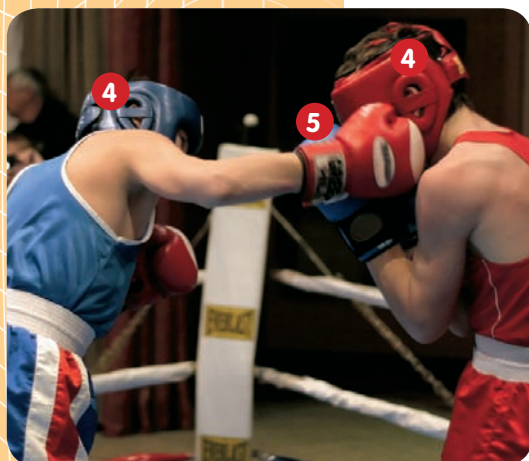
## AND STAMPS



APPLICATION	SUGGESTED PRODUCT		
	DESCRIPTION	PRODUCT CODE	
CONSTRUCTION OF POSITIVE MOULDS FROM WHICH TO CREATE NEGATIVE RIGID FORMS	<ul style="list-style-type: none"> <li>• Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 <p>Pag 8</p>
RIGID EPOXY RESIN FOR THE CREATION OF NEGATIVE RIGID FORMS	<ul style="list-style-type: none"> <li>• Bi-component epoxy resin in bags of 170 g</li> <li>• Bi-component epoxy resin in bags of 210 g</li> </ul>	<b>RAYRESIN 170</b> <b>RAYRESIN 210</b>	 <p>Pag 16</p>
SOFT PADS FOR STAMPS CREATED BY POURING RUBBER INTO NEGATIVE RIGID MOULDS	<ul style="list-style-type: none"> <li>• Pink liquid rubber in cans of 1 Kg</li> <li>• Pink liquid rubber in bags of 350 g</li> <li>• Pink liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-R</b> <b>BAG-RTV-350-R</b> <b>BAG-RTV-200-R</b>	 <p>Pag 4</p>
CREATION OF STAMPS FOR CHILDREN. CONSTRUCTION OF POSITIVE MOULDS FROM WHICH TO CREATE NEGATIVE RIGID FORMS	<ul style="list-style-type: none"> <li>• Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 <p>Pag 8</p>
RIGID EPOXY RESIN FOR THE CREATION OF NEGATIVE RIGID FORMS	<ul style="list-style-type: none"> <li>• Bi-component epoxy resin in bags of 170 g</li> <li>• Bi-component epoxy resin in bags of 210 g</li> </ul>	<b>RAYRESIN 170</b> <b>RAYRESIN 210</b>	 <p>Pag 16</p>
SOFT PADS FOR STAMPS CREATED BY POURING RUBBER INTO NEGATIVE RIGID MOULDS	<ul style="list-style-type: none"> <li>• Pink liquid rubber in cans of 1 Kg</li> <li>• Pink liquid rubber in bags of 350 g</li> <li>• Pink liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-R</b> <b>BAG-RTV-350-R</b> <b>BAG-RTV-200-R</b>	 <p>Pag 4</p>
PADS FOR PAD PRINTING	<ul style="list-style-type: none"> <li>• Black liquid rubber in cans of 1 Kg</li> <li>• Black liquid rubber in bags of 350 g</li> <li>• Black liquid rubber in bags of 200 g</li> <li>• Pink liquid rubber in cans of 1 Kg</li> <li>• Pink liquid rubber in bags of 350 g</li> <li>• Pink liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-350-N</b> <b>BAG-RTV-200-N</b> <b>RAY-RTV-1000-R</b> <b>BAG-RTV-350-R</b> <b>BAG-RTV-200-R</b>	 <p>Pag 4</p>
RUBBER BLOCKS FOR CREATING MOULDS FOR CARVING AND XYLOGRAPHY	<ul style="list-style-type: none"> <li>• Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 <p>Pag 8</p>
	<ul style="list-style-type: none"> <li>• Black liquid rubber in cans of 1 Kg</li> <li>• Black liquid rubber in bags of 350 g</li> <li>• Black liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-350-N</b> <b>BAG-RTV-200-N</b>	 <p>Pag 4</p>



# MEDICAL ITEMS



APPLICATION		SUGGESTED PRODUCT	
		DESCRIPTION	PRODUCT CODE
 1	INSOLES AND ORTHOTICS FOR FOOTWEAR ADAPTATIONS	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>  Pag 8
		<ul style="list-style-type: none"> <li>Pink liquid rubber in cans of 1 Kg</li> <li>Pink liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-R</b> <b>BAG-RTV-200-R</b>  Pag 4
 2	SOFT ORTHOTIC PADS FOR ORTHOPEDIC CORRECTIONS	<ul style="list-style-type: none"> <li>Red liquid gel in bottle of 1 Kg</li> <li>Red liquid gel in bags of 200 g</li> <li>Red liquid gel in bags of 400 g</li> </ul>	<b>RAY-GEL 1000-R</b> <b>BAG-GEL 200-R</b> <b>BAG-GEL 400-R</b>  Pag 6
 3	SOFT MOUSE SUPPORTS TO SUPPORT THE WRIST TO PREVENT FATIGUE	<ul style="list-style-type: none"> <li>Red liquid gel in bottle of 1 Kg</li> <li>Red liquid gel in bags of 200 g</li> </ul>	<b>RAY-GEL 1000-R</b> <b>BAG-GEL 200-R</b>  Pag 6
 4	RUBBER KNEE AND ELBOW PADS. SOFT GEL PADS TO BE COMBINED WITH KNEE AND ELBOW PADS	<ul style="list-style-type: none"> <li>Pink liquid rubber in cans of 1 Kg</li> <li>Pink liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-R</b> <b>BAG-RTV-200-R</b>  Pag 4
		<ul style="list-style-type: none"> <li>Blue liquid gel in bottle of 1 Kg</li> <li>Blue liquid gel in bags of 200 g</li> <li>Blue liquid gel in bags of 400 g</li> </ul>	<b>RAY-GEL 1000-B</b> <b>BAG-GEL 200-B</b> <b>BAG-GEL 400-B</b>  Pag 6
 5	RUBBER SPORT MOUTH GUARDS	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>  Pag 8





# RESTORATION

AND PAINTS



APPLICATION	SUGGESTED PRODUCT		
	DESCRIPTION	PRODUCT CODE	
PREPARATION OF MOULDS AND COUNTER-MOULDS FOR THE REPAIR AND REPRODUCTION OF STUCCOS, FRIEZES, FRAMES, ETC.	<ul style="list-style-type: none"> <li>Black liquid rubber in cans of 1 Kg</li> <li>Black liquid rubber in bags of 350 g</li> <li>Black liquid rubber in bags of 200 g</li> </ul>	<b>RAY-RTV-1000-N</b> <b>BAG-RTV-350-N</b> <b>BAG-RTV-200-N</b>	 Pag 4
	<ul style="list-style-type: none"> <li>Rubber in paste in cans of 500 g</li> </ul>	<b>RAY-MODEL 500</b>	 Pag 8
EPOXY RESIN FOR POURING AND BONDING FOR STUCCO, FRIEZE, FRAME REPAIR	<ul style="list-style-type: none"> <li>Bi-component epoxy resin in bags of 170 g</li> <li>Bi-component epoxy resin in bags of 210 g</li> <li>Bi-component epoxy resin in bags of 420 g</li> </ul>	<b>RAYRESIN 170</b> <b>RAYRESIN 210</b> <b>RAYRESIN 420</b>	 Pag 16
STRONG AND ELASTIC BONDING, VIBRATION RESISTANT, PAINTABLE, BETWEEN METALS, WOOD, CEMENT, CERAMIC, GLASS AND PLASTIC	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul>	<b>MAGIC ONE ADHESIVE</b>	 Pag 12
STRONG AND FAST BONDING	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul>	<b>RAY FAST ADHESIVE</b>	 Pag 12
FIXING OF INDOOR SKIRTING BOARDS, OUTDOOR SKIRTING AND SLABS	<ul style="list-style-type: none"> <li>Adhesive gel</li> </ul>	<b>MAGIC ONE ADHESIVE</b>	 Pag 12
FAST AND INVISIBLE BONDING OF CERAMICS AND PORCELAIN	<ul style="list-style-type: none"> <li>Cyan Acrylic adhesive</li> </ul>	<b>RAY FAST ADHESIVE</b>	 Pag 12



# Silicone Division industrial



## RAY-GEL

## RAY-RTV

## RAY-MODEL

## RAY RESIN

## MAGIC ONE ADHESIVE

## RAY FAST ADHESIVE

### APPLICATION SECTORS

CONSTRUCTION AND HYDRAULICS	Construction		•	•		•	•
	Thermal hydraulics		•	•		•	•
	Hydraulics and sanitary fixtures		•	•	•	•	
	Engineering and architecture		•	•	•	•	•
	Gardening / articles for gardening	•	•	•		•	•
	Restauration		•	•	•	•	•
ARTISANAL AND NAVAL FIELDS	Industrial and artisanal prototypes	•	•	•	•		
	Model making		•	•	•	•	•
	Artisanal field		•	•	•	•	•
	Pad printing		•	•	•		
	Candles, artistic applications		•	•			
	Ceramic industry		•	•			
INDUSTRY AND AUTOMOTIVE	Naval	•	•	•	•	•	•
	Metallurgical industry		•	•			
	Moulding and die creation		•	•	•		
	Automotive	•	•	•	•	•	•
	Mechanics		•	•		•	•
	Industrial lubrication						
RELAX AND HOLIDAYS	Camping/Camper	•	•	•		•	•
	Footwear industry	•	•	•			
	Costume jewellery and jewellery		•	•		•	•
	DIY/Toys	•	•	•	•	•	•
	Model making and hobbies	•	•	•	•	•	•
	Electrotechnics and telecomm.	•	•	•	•	•	•
ELECTROTECHNICS AND ELECTRONICS	Electronics and installations	•	•	•	•	•	•
	Energy	•	•	•	•	•	•
	Artistic		•	•	•		
SCENOGRAPHY	Scenography and theatre		•	•			
MEDICAL	Medical	•	•	•			

### PHYSICAL CHARACTERISTICS

## RAY-GEL BAG-GEL

## RAY-RTV BAG-RTV

## RAY-MODEL

## RAY RESIN

## MAGIC ONE ADHESIVE

## RAY FAST ADHESIVE

PHYSICAL PROPERTIES	Appearance at supply	Bicomponent liquid	Bicomponent liquid	Bicomponent paste	Bicomponent liquid	Single component gel	Single component liquid
	Standard colours	Blue, Transp., Yellow, Red	Black, Pink	Light blue*	Amber	Translucent	Clear
	Density (gr/cm <sup>3</sup> )	Approx 1	1,24 black, 1,05 pink	1,6	1,1	-	1,05
	Working time	-	-	2 minutes	20 minutes	-	10-20 seconds
	Skin formation	-	-	-	-	< 15 minutes	-
	Cross linking (Pot life)	3 min at 30°C	8 min at 30°C	3 min at 30°C	Approx 50 min at 20°C	3 mm/24h	-
THERMAL PROPERTIES	Viscosity (MPas)	<2000	4000-6000	Ductile and malleable	-	-	-
	Operating temperature (°C)	-60 / +200	-60 / +200	-60 / +200	100	-40 / +100	-
	Overload temperature (°C)	-	250	250	-	-	-
	Thermal conductivity (W/m <sup>2</sup> K)	<0,2	<0,2	<0,2	-	-	-
	Fire characteristics	-	Self-extinguishing	Self-extinguishing	-	-	-
	Dielectric strength (kV/mm)	>21	>21	>21	-	-	-
ELECTRICAL PROPERTIES	Dielectric constant	<7	<7	-	-	-	-
	Loss factor tan δ	<6 exp -3	<6 exp -3	-	-	-	-
	Volume resistivity Ωcm	>1.5 x 10 exp 15	>1.5 x 10 exp 15	>1.5 x 10 exp 15	-	-	-
MECHANICAL PROPERTIES	Elongation at break %	-	350	>150	-	> 240	sanded steel >18N/mm2
	Tensile strength (MPa)	-	Approx 2,8	Approx 0,8	-	2,2	-
	Hardness (Shore A)	-	Pink: 15 Black: 30	35	Shore D 70	40	-
DURATION	Shelf life	No shelf life	No shelf life	No shelf life	2 years	-	-
OTHER	Ph	-	-	-	-	-	-

\*\*Other colors available on request in fusti da 400 kg

\*\*\*Other colors available on request in fusti da 50 kg



MAGIC  
RUBBERMAGIC  
GELMAGIC  
FLUIDMAGIC  
BOXSKY  
PLASTSPEEDY  
WIRE GEL

## APPLICATION SECTORS

							Construction	
							Thermal hydraulics	
							Hydraulics and sanitary fixtures	CONSTRUCTION AND HYDRAULICS
						•	Engineering and architecture	
				•			Gardening / articles for gardening	
							Restauration	
							Industrial and artisanal prototypes	
							Model making	
							Artisanal field	ARTISANAL AND NAVAL FIELDS
							Pad printing	
							Candles, artistic applications	
							Ceramic industry	
							Naval	
							Metallurgical industry	
							Moulding and die creation	INDUSTRY AND AUTOMOTIVE
							Automotive	
							Mechanics	
						•	Industrial lubrication	
				•			Camping/Camper	
							Footwear industry	
							Costume jewellery and jewellery	RELAX AND HOLIDAYS
							DIY/Toys	
							Model making and hobbies	
	•	•	•	•	•	•	Electrotechnics and telecomm.	ELECTROTECHNICS AND ELECTRONICS
	•	•	•	•	•	•	Electronics and installations	
	•	•	•	•	•	•	Energy	
							Artistic	SCENOGRAPHY
							Scenography and theatre	
							Medical	MEDICAL

MAGIC  
RUBBERMAGIC  
GELMAGIC  
FLUIDMAGIC  
BOXSKY  
PLASTSPEEDY  
WIRE GEL

## PHYSICAL CHARACTERISTICS

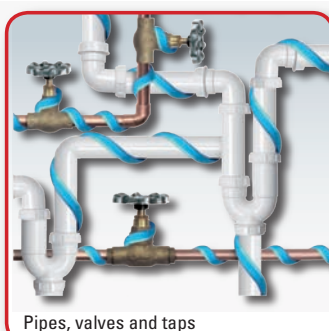
	Bicomponent liquid	Bicomponent liquid	Bicomponent liquid	Insulat.: bicomp. liquid	Bicomponent paste	Gel	Appearance at supply	
	Dark grey	Blue	Blue	Blue	Blue	Transparent	Standard colours	
	1,22	0,96	0,96	0,96	1,5	1,03	Density (gr/cm <sup>3</sup> )	PHYSICAL PROPERTIES
	-	-	-	-	About 2 min	-	Working time	
	-	-	-	-	-	-	Skin formation	
	<15 min at 25°C	<10 min at 23°C	<10 min at 23°C	<10 min at 23°C	<6 min at 23°C	-	Cross linking (Pot life)	
	6000	1600	1600	1600	Ductile and malleable	-	Viscosity (MPas)	
	-60 / +200	-60 / +200	-60 / +200	-60 / +200	-60 / +200	-	Operating temperature (°C)	
	250	250	250	250	250	-	Overload temperature (°C)	THERMAL PROPERTIES
	<0,2	<0,2	0,2	0,2	<0,2	-	Thermal conductivity (W/m°K)	
	Self-extinguishing	-	-	-	Self-extinguishing	-	Fire characteristics	
	>23	>23	>23	>23	>23	-	Dielectric strength (kV/mm)	
	<5	<5	<5	<5	-	-	Dielectric constant	ELECTRICAL PROPERTIES
	<5 exp -3	<4 exp -3	<4 exp -3	<4 exp -3	-	-	Loss factor tan $\delta$	
	>2 x 10 exp 15	>2 x 10 exp 15	>2 x 10 exp 15	>2 x 10 exp 15	>2 x 10 exp 16	-	Volume resistivity $\Omega$ cm	
	-	-	-	-	>150	-	Elongation at break %	MECHANICAL PROPERTIES
	2,7	-	-	-	0,9	-	Tensile strength (MPa)	
	28	-	-	-	32	-	Hardness (Shore A)	
	No shelf life	No shelf life	No shelf life	No shelf life	No shelf life	No shelf life	Shelf life	DURATION
	-	-	-	-	-	6-8	Ph	OTHER

# Ray tech STOPICE

## ANTI-FROST KIT

 **HEATING CABLE**

 **integrated THERMOSTAT**  **integrated PLUG**



Pipes, valves and taps



Drinkers



Water meters



Gardening



Pipes for boilers



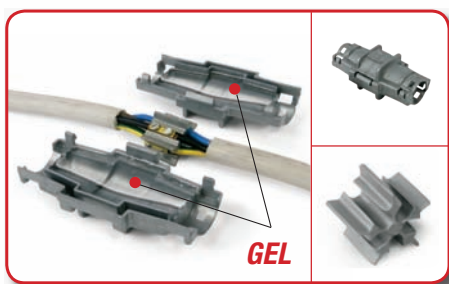
Small tanks



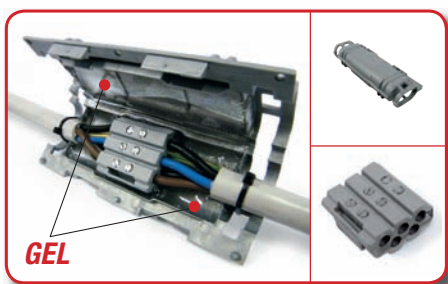
# Ray tech PROFESSIONAL KING JOINT



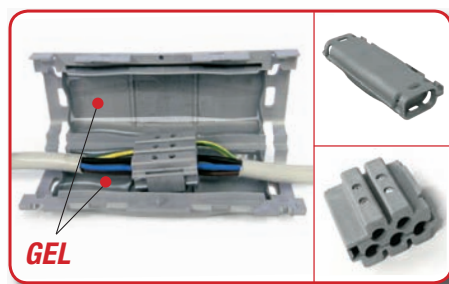
KINGJOINT 0



KINGJOINT 1



KINGJOINT 2





# Gomme e Gel siliconici bi-componenti

*reticolazione rapida • colorati • applicazioni multisettoriali*

SILICONE  
DIVISION

**Ray  
Tech**  
**RAY RTV**

Gomma liquida in bottiglia

**Ray  
Tech**  
**BAG RTV**

Gomma liquida in busta

**Ray  
Tech**  
**RAY GEL**

Gel liquido in bottiglia

**Ray  
Tech**  
**BAG GEL**

Gel liquido in busta

**Ray  
Tech**  
**RAY  
MODEL**

Gomma in pasta modellabile

**Ray  
Tech**  
**Gasket kit**

Kit per la realizzazione  
di rondelle e guarnizioni



**ISOLANTE e SIGILLANTE**  
**MilleUsi**

***Fai-da-te • elettrico • idraulica • edilizia • colorifici  
modellismo • hobbistica • ferramenta • gardening***