

Ray tech

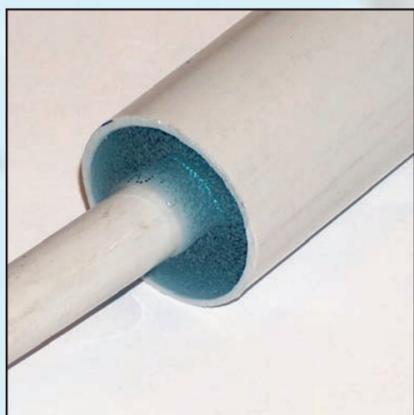
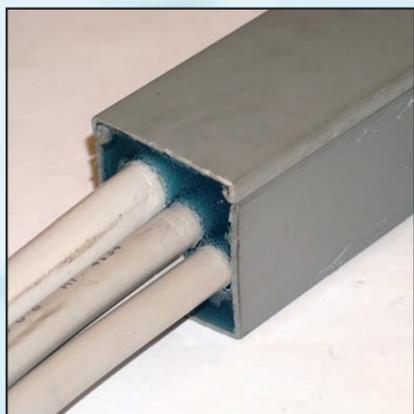
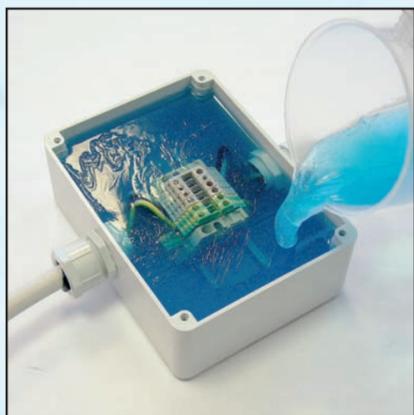
**THE NEW FRONTIER IN THE TECHNOLOGY
OF INSULATING AND SEALING FLUID
FROM TODAY ON AVAILABLE ALSO IN BOTTLE**

*New
Technology*

MAGIC GEL

The right quantity for any need!

**NON TOXIC - SAFE - RE-ENTERABLE - IP68
NO SHELF LIFE**



Suitable for installations up to 1kV and 120° C

PACKAGE:

2 bottles for a total of 1 lt of product, with small basin and mixing spoon.

INSTRUCTIONS:

Pour the same quantity in the range of 1:1 of the 2 components in the small basin, then mix and pour. In about 4 minutes, at room temperature, the product becomes soft, and **within 10 minutes it cross links and is ready for use.**

RAYTECH - MAGIC GEL FLUID

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product identification: **Magic fluid and Magic joint**

Manufacturer identification: Raytech Srl – V.Fermi 11-13-17
Settimo Milanese (MI) – Italia
Tel. +39.02.33500147
Fax +39.02.33500287

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characteristics: product based on polyorganosiloxanes and inert fillers

Hazardous components: no hazardous components

3. HAZARD IDENTIFICATION

Non-hazardous preparation according to EU criteria.

4. FIRST AID MEASURES

Inhalation: no need of first aid.

Skin contact: no need of first aid; wash with soap and water

Eye contact: no need of first aid; rinse with water.

Ingestion: consult a doctor if necessary.

5. FIRE- FIGHTING MEASURES

Extinguishing media: dry powder –CO₂ – foam - water spray

Combustion by-products: silica, CO₂, traces of carbon components partially not burnt.

Protection for fire fighters: protective fire-fighting clothing and breathing protection.

6. ACCIDENTAL RELEASE MEASURES

Personal protections: safety glasses.

Collect the product and dispose the collected material according to the regulation. Prevent from dispersion in the ambient. Incinerate contaminated materials at an authorized installation.

7. HANDLING AND STORAGE

Prevent contact with eyes, as with any foreign substance

No particular recommendations for storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

See item 7.

No protection required for handling the product; avoid contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: low elastic modulus cross-linked product

Colour: clear part A, blue part B; mixed product light blue

Smell: without smell

Flammability point: >200°C

Auto-ignition temperature: >400°C

Oxidation property: no oxidation according to EU criteria

Solubility in water: insoluble

10. STABILITY AND REACTIVITY

Stability: stable under normal working conditions.

Contacts to be avoided: strong oxidizing agents

Decomposition: vapours, CO and CO₂.

11. TOXICOLOGICAL INFORMATION

Eye contact: can cause a mild, temporary irritation.

Skin contact: no adverse effects.

Inhalation: no adverse effects.

swallowing: no adverse effects.

In the case of thermal decomposition vapours irritating for the eyes or respiratory apparatus can be released.

12. ECOLOGICAL INFORMATION

Use according to the good working practice, preventing dispersion in the ambient.

No adverse effect on bacteria.

Eco-toxicity: no adverse effects on aquatic organisms.

Bioaccumulation: no potential of bioaccumulation.

13. DISPOSAL CONSIDERATIONS

Dispose at an approved site in accordance with local regulations

14. TRANSPORT INFORMATION

Transport on road (ADR/RID): non hazardous

Transport by sea (IMDG): non hazardous

Transport by air (ICAO/IATA): non hazardous

15. REGULATORY INFORMATION

No need of product labelling.

16. OTHER INFORMATION

The data given here are based on current knowledge and experience
They should not be construed as guaranteeing specific properties.

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**MAGIC FLUID – MAGIC JOINT
INSULATING AND SEALING FLUID**

DATA SHEET

Insulating and sealing polymeric fluid with fast cross linking at room temperature. Specially designed with Health and Safety in mind and to eliminate detrimental effects on the water table in the environment when used in its Cable Jointing kit form. Ideal for the filling of enclosures, boxes, terminal blocks etc.. It is most suitable for anti-corrosion protection, insulating and sealing applications. The product is non-toxic and safe, and has a very high resistance to natural ageing.

Property	Test method	Unit	Typical value
Appearance			Fluid
Colour			Blue transparent
Viscosity at 23°C	On mixed product		approx 1600 mPa.sec
Gel time			Approximately 5 mins
Hardness	Penetration cone ASTM D 217/C	1/10 mm	Approximately 200
Density		g/cc	Approximately 1
Thermal conductivity	DIN 52612	W/mK	Approximately 0,2
Flammability point	DIN 51376	°C	Greater than 200
Auto-ignition temperature	DIN 51376	°C	Greater than 400
Dielectric strength	DIN 53481	kV/mm	Greater than 20
Volume resistivity		Ω cm	Greater than 2 x 10 exp 15