



FILLERS

GEL

LV

Gel: UL 94-HB

Operating temperature:

-60°C / +200°C

Installation temperature:

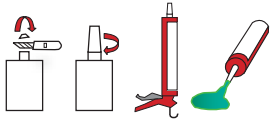
-40°C / +110°C

Dielectric strength:

> 23 kV/mm

Degree of protection:

IP68 (in proper casings)



Wonder Fluid

Single component insulation fluid gel cartridge.

- Ready-to-use fluid gel
- Created for filling new Raytech joint shells with no-return valves
- Suitable for filling trays
- Does not solidify when opened
- No waste
- No shelf life



Wonder Fluid

Product	Colour	Package type	Total quantity
Wonder Fluid 210	●	Cartridge with measuring nozzle	210 ml
Wonder Fluid 280	●	Cartridge with measuring nozzle	280 ml



WONDER GEL

SINGLE COMPONENT INSULATING AND SEALING GEL IN CARTRIDGE READY FOR USE

Single component insulating and sealing polymeric gel in cartridge, just cross linked and ready to use, sticky, adhesive and self amalgamating, self-levelling, re-enterable, particularly suitable for filling. Suitable for anticorrosion protection. Non toxic and safe. High resistance to natural ageing. It doesn't harden during time and it doesn't dry.

The product is available under commercial name:

- **WONDER GEL:** green translucent gel in cartridge of 280 ml
- **WONDER GEL INVISIBLE:** transparent gel in cartridge of 280 ml
- **WONDER FLUID:** green translucent gel in cartridge of 210 ml and 280 ml
- **WONDER JOINT:** as a filler of junction system IP68
- **MONOGEL:** transparent gel in cartridge of 300 ml
- **WONDER BOX:** complete IP68 connection kit, with green translucent gel in cartridge, junction box and cable glands.

PROPERTY		TEST METHOD / NOTE	UNIT	TYPICAL VALUE
Physical	Aspect	-	-	Visco-elastic cross linked gel
	Colour	-	-	green translucent or transparent
	Hardness	-	-	Easily Injectable
	Hardness	-	-	0 SHORE 00
	Density	-	g/cc	0,96
	Thermal conductivity	-	W/mK	Approx 0,2
	Continuous working temperature	-	°C	from -60 to +200
	Installation temperature	(related to joints)	°C	from -40 to + 110
	Water absorption after 30 days immersion	-	%	<< 0,05%
Flammability	Flammability point	-	°C	>200
	Auto-ignition temperature	-	°C	>400
Electrical	Dielectric strength	-	kV/mm	23
	Dielectric constant / Permittivity	-	-	< 5
	Power factor / Tan δ	-	-	< 5 exp -3
	Volume resistivity	-	Ω cm	> 2 x 10 exp 15
	Degree of protection	EN 60529	-	IP68 (in proper casings)
Use	"Self fusing" property of the cross linked product on itself	-	-	Very High

RAYTECH S.r.l.

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EXPOSITION TO CHEMICALS OF CROSSLINKED PRODUCT

Salt, salty water etc	have no adverse effect.
Sea water or chlorine environments (swimming pools etc.)	have no adverse effect.
Inorganic acids in water solutions	have not visible effects.
Strong, pure acids or alkaline (not in solution)	The exposition has to be avoided, especially at high temperature.
Alkaline solutions and vinegar	could bring, after a long time of exposition, to a softening of the external surface.
Solutions of hydrocarbons in water	could give, after a long exposition at quite high temperatures, the hardening of the external surface of the products; of course nothing happens for temporary expositions
Pure hydrocarbons	Permanent immersion in strong and pure hydrocarbons has to be avoided.

PRECAUTIONS FOR USE

WARNING: TO BE INJECTED IN CLEAN AND DRY CLOSURES	Before injecting the gel, be sure that the closures are clean and dry, free from processing waste or powder or residues which can affect the insulating characteristics of the gel.
ATTENTION STAIN	If the product falls down on clothes or floor, it can stain and it is difficult to remove.
CLEANING OF THE STAINS ON THE FLOOR	it is suggested to remove the gel with a spatula, and then strongly brush the floor with a normal, domestic floor cleaner (possibly "strong" type) and possibly finish the cleaning with the cloth moistened with a suitable chlorinated solvent, such as trichloroethylene;
	by experience products based on trichloroethylene could be suitable for removing, when available on the market and when used according to the relevant instructions.

SHELF LIFE

Unlimited shelf life, when correctly installed according to the relevant instructions.

SAFETY

The product has not been classified as hazardous according to the legislation in force. (Regulation (EC) No 1272/2008 as amended).

Settimo Milanese, 05/2019

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