



Wonder Gel

Single component insulating gels in cartridge to instantly protect new installations and oversee maintenance of all types of electrical connections

Installer's best friends. Electrical connections, within empty enclosures, are exposed to the risk of short circuit, oxidation and corrosion, at times, resulting in irreparable damages. Without stress and no waiting around, **WonderGel** and **WonderGel Invisible** make your job easier, guaranteeing the protection and safety of systems in compliance to best practice rules to provide the highest quality solution, quick and perfect to get the satisfaction of both you and your clients.

- Ready to use! No mixing required!
Already cross-linked! No need to wait!
- Resolve issues connected to incorrect insulation or sealing
- Eliminate annoying out of service instances caused by moisture
- Protect your systems from the penetration of insects
- Protect your electrical connections from oxidation and corrosion
- Italian Utility Model 

VIDEO SURVEILLANCE SYSTEMS



CONNECTIONS IN MOIST ENVIRONMENTS



UNDERGROUND CONNECTIONS



Always at your fingertips!

Time and space-saver

EASY TO APPLY EVEN IN AREAS WHICH ARE DIFFICULT TO ACCESS!



INSPECTABLE



EXTERNAL SYSTEMS



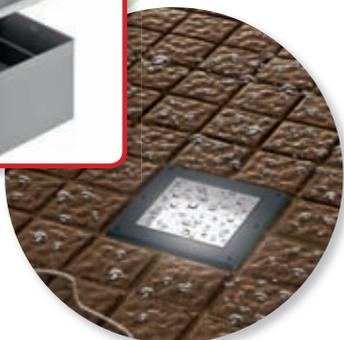
UNDERGROUND CONNECTIONS



SMALL-SCALE CONNECTIONS



GROUND LUMINAIRES



WHAT IS GEL WONDER?

- A single component gel
- Extremely sticky
- Stays soft with time
- Never dries
- Non-toxic and safe
- No shelf life



WHAT DOES GUARANTEE?

- Maximum insulation and sealing
- Effective and stable adhesion with the passing of time
- High resistance to water pressure
- Degree of protection IP68 when dispensed in suitable casings



WHY IS IT IN A CARTRIDGE?

- Always ready to use and at your fingertips
- Can be used with standard guns
- It is measurable
- No waste
- Complete with nozzle
- Extremely rapid to use even in difficult positions
- Compact





WonderGel & WonderGel INVISIBLE

Characteristics

- Single component gel which comes already cross-linked in a cartridge
- No mixing, no waiting time
- Visco-elastic gel which is extremely fluid
- Self-levelling and self-vulcanizing
- Can be applied using standard silicone ratchets
- Easy to measure
- Does not expire and does not harden
- Easy to apply even to inaccessible areas
- Characteristics do not deteriorate with the passing of time
- Re-enterable
- Non-toxic and safe
- Can be applied in all weather conditions, even when raining or in the heat of the summer sun
- Can be applied to powered appliances
- Dielectric strength > 23 kV/mm
- Volume resistivity > $2 \cdot 10^{15} \Omega \text{ cm}$
- Operating temperature from $-60 / +200^{\circ}\text{C}$
- Overload temperature for brief periods: 250°C
- Gel UL 94-HB

* Protection degree IP68 in proper casings



Wonder Gel

Product	Colour	Package type	Total quantity
Wonder Gel	●	Cartridge with measuring nozzle	280 ml
Wonder Gel Invisible	○	Cartridge with measuring nozzle	280 ml

Gel technology comparison

PRODUCT			
	MAGIC GEL Bi-component gel in 2 bottles	MAGIC POWER GEL Bi-component gel in single, 2 compartment bottle	WONDER GEL Ready-to-use single component gel in a cartridge
METHOD OF APPLICATION	 MIX AND POUR	 1 MIX AND POUR	 2 MIX, WAIT & STICK
INSTALLATION TEMPERATURE (°C)	- 5 * -10 ** / +45 -15 ***	- 5 * -10 ** / +55 -15 ***	-40 / +60
OPERATING TEMPERATURE (°C)	-60 / +200	-60 / +200	-60 / +200 Ready to use in 15 min
CROSS LINKING TIME (minutes at 25°C)	< 10 min.	ca. 15 min.	-
PRINCIPAL CHARACTERISTICS	RE-ENTERABLE	RE-ENTERABLE REUSABLE	STICKY RE-ENTERABLE REUSABLE
			INJECTABLE RE-ENTERABLE

* Poured at -5°C from bottles stored at >10°C.

** Poured at -10°C from bottles stored at >20°C.

*** Poured at -15°C from bottles stored at >25°C (cross linking within 48 hours).

Raytech gels can be used for the filling and sealing of all junction boxes and are ideal to ensure maximum protection if applied in cable jointing systems of our production.