




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

**Time and
space-saver**

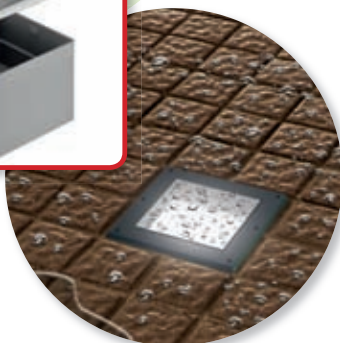
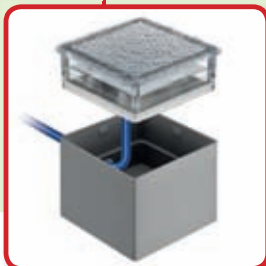
EASY TO APPLY EVEN
IN AREAS WHICH ARE
DIFFICULT TO ACCESS!



**Always at your
fingertips!**



INSPECTABLE

EXTERNAL
SYSTEMSUNDERGROUND
CONNECTIONSSMALL-SCALE
CONNECTIONSGROUND
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

**Ray
tech**



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



INJECT

INSTALLATION TEMPERATURE (°C)

- 5 *
-10 ** / +45
-15 ***

- 5 *
-10 ** / +55
-15 ***

-40 / +60

-40 / +110

OPERATING TEMPERATURE (°C)

-60 / +200

-60 / +200

-60 / +200
Ready to use in 15 min

-60 / +200
Ready to use

CROSS LINKING TIME (minutes at 25°C)

< 10 min.

ca. 15 min.

-

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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.