



MAGIC GEL MAGIC FLUID

Two-component gel with very high dielectric and thermal characteristics, ideal for connection systems (joint shells or enclosures) for power cables.

The insulating and sealing gel, when cast in suitable casings, ensures an IP68 degree of protection and it is able to replace all types of resins. This is a self-sealing insulation polymeric type in two practical bottles or in a single use bag, with cold cross linking. Once poured, the insulation, characterized by very low viscosity, surrounds and envelopes any type of material, cross linking in less than 10 minutes. Completely non-toxic, cross linking with a very low isothermal peak that does not thermally stress the materials it comes into contact with.

ADVANTAGES

- ▶ For high temperature applications!
- ▶ The gel is not-classified as hazardous under the CLP Directive.
- ▶ Quick cross linking (only 10 minutes).
- ▶ Re-enterable also after long working periods.
- ▶ Low viscosity.
- ▶ No shelf life.



Gel: UL 94-HB

- Dielectric strength:**
>20 kV/mm
- Cross linking time:**
fast (about 10 min. at 23°C)
- Volume resistivity**
>2 · 10¹⁵ Ω cm
- Working temperature:**
-60°C / +200°C
- Overload temperature for short periods:**
up to 250°C
- Stabilised for:**
mould - UV
- Degree of protection:**
IP68 (in proper casings)

Magic Gel protects against dust and seals the connections from the effects of continuous immersion in water when it is poured into casings protected from the ingress of solid bodies, thus helping to create a **IP68** system.

IP68
OFFICIALLY
TESTED | **IMQ**



FILLERS



Problem ENERGY

What does a gel for this type of system have to give?

- ✓ **INSULATION:** Elevated voltages (1 kV operating, 4 kV testing)
- ✓ **THERMAL PERFORMANCE:** Operating temperature 90°C, overload temperature 130°C, short circuit temperature 250°C
- ✓ **SEALING:** Installations also possible in humid environments, flooded wells
- ✓ **DEGREE OF PROTECTION:** Must also work with water between the cores of the cable
- ✓ **CERTIFIED SYSTEMS:** The combination of insulation gel + casing must comply with current standards CEI 20-33 and EN 50393

Solution: *Magic Gel* meets all your Energy System requirements!

PRODUCT / Item	Colour	Package type	Total quantity
MAGIC GEL 300 MAGICGEL300	●	2 bottles	300 ml
MAGIC GEL 420 MAGICGEL-420	●	1 single, two-component bottle 1 jug - 1 spatula in wood	420 ml
MAGIC GEL 1000 MAGICGEL-1000	●	2 bottles - 1 jug 1 spatula in wood	1000 ml
MAGIC GEL 2000 MAGICGEL-2000	●	2 single, two-component bottles 1 jug - 1 spatula in wood	2 x 1000 ml
MAGIC GEL 10000 MAGICGEL10	●	2 tanks - 1 jug 1 spatula in wood	10 lt



PRODUCT / Item	Colour	Package type	Total quantity
MAGIC FLUID 90 100090-MAG	●	Two-component single dose bag	90 gr
MAGIC FLUID 110 100110-MAG	●	Two-component single dose bag	110 gr
MAGIC FLUID 170 100170-MAG	●	Two-component single dose bag	170 gr
MAGIC FLUID 210 100210-MAG	●	Two-component single dose bag	210 gr
MAGIC FLUID 420 100420-MAG	●	Two-component single dose bag	420 gr
MAGIC FLUID 550 100550-MAG	●	Two-component single dose bag	550 gr

