

InsuGel One

Designed for secure filling and sealing of junction boxes, delivering high insulation and transparency in versatile installation settings.



Morek's **InsuGel One** provides a flexible, ready-to-use insulation and protection solution, perfect for challenging installations. Available in 300 ml and 1 kg options, InsuGel One adapts to various applications—from confined spaces to filling junction boxes—offering high-performance sealing in both horizontal and vertical installations. This eco-friendly, non-toxic gel is re-enterable and reusable, making it ideal for installations requiring future adjustments.

The gel's auto-leveling properties ensure thorough coverage and adhesion, while its transparency allows easy inspection of connections. With high dielectric strength, temperature resistance, and IPX8 waterproof protection in suitable containers, InsuGel One guarantees durable, reliable performance for low-voltage applications, making it a practical choice for efficient and long-lasting insulation.

Ready to Use:

Immediate application without mixing or drying, ideal for fast, flexible installations.

Eco-Friendly and Non-Toxic:

Safe to handle, with no expiration date and no harmful effects on the environment.

Re-Enterable and Reusable:

Maintains flexibility, allowing easy re-entry for adjustments even after extended use.

Auto-Leveling and High Adherence:

Provides reliable, durable insulation that conforms to connection surfaces.

Transparent for Inspection:

Allows immediate visual checks, ensuring connection integrity.

Flexible Application:

Suitable for both confined spaces (300 ml) and junction box filling (1 kg), usable in horizontal and vertical positions.

High Insulation and Protection:

Delivers strong dielectric strength and IPX8 protection for waterproof applications.



InsuGel One, 300 ml

Order code	Description	PHS (pcs)
MBG0002G24	Insulation mono-component gel in cartridges 300g	1 / 24

The InsuGel One 300 ml cartridge provides a convenient, ready-to-use solution for insulation and protection in applications with limited space or difficult access. Designed for injection and auto-leveling, this transparent gel is ideal for flexible, re-enterable connections and allows precise dosing, reducing waste.

Technical specifications

- Operating temperature from -60 °C to 200 °C
- Dielectric strength > 23 kv/mm
- Thermal conductivity < 0,2 w/mk
- Dielectric constant < 5
- Volume resistivity > $2 \times 10^{15} \Omega \times \text{cm}$
- Autoignition temperature: > 400 °C



InsuGel One, 1 kg

Order code	Description	PHS (pcs)
MBG0001G24	Mono-component gel in paste form, re-enterable/reusable, 1kg package	1 / 12

The InsuGel One 1 kg solution is perfect for filling junction boxes, even in challenging horizontal and vertical installations. With high insulation resistance and no mixing required, it ensures optimal protection when all casing holes are sealed.

Technical specifications

- Linear shrinkage 23°C / 0%
- Penetration degree 23°C / 200mm
- Hardness (Shore A) 23°C gel
- Self-extinguishing (compliant to norm CEI EN 60695-2)
- Protection degree IPX8 (compliant to norm CEI EN 60695) with waterproof container
- High insulation resistance up to 3500 V: compliant to norm EN 60439-1

