

HENSEL

PASSION FOR POWER.

ISO-FILL BRW **Two component gel**



- Silicon free
- High temperature resistance
- High storage temperature of upto +50 deg C
- Extended shelf life

ISO-FILL BRW

ISO-FILL BRW is a re-enterable cold curing 2-component nonurethane encapsulating gel. Unlike other pouring compounds, ISO-FILL BRW is free of isocyanates, epoxides, and silicones and contains no hazardous substances.

The hydrophobic properties of the resin are excellent. Therefore it is especially suitable in low voltage applications, especially in cable junction boxes, to avoid damages by moisture and breakdown of insulation.

This gel can also be used in telecommunication and for the sealing of many other electronic parts, especially where no mechanical stress is allowed (even at very low temperature, $T_g < -50^\circ\text{C}$).

For changing the installation or for repairing purposes the resin can be removed very easy.

ISO-FILL BRW has a medium viscosity while pouring. The cured product shows good adhesion to metals, minerals and many plastics.



The gel comes in two versions:

1. Pre-filled two component packs in small volumes
2. Larger packs of 5 liters and 10 liters where the two components are packed separately in stainless steel drums and PET bottles with gloves and mixing stick.

Benefits :

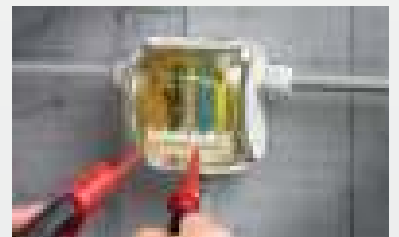
- 5 liters and 10 liters packs can be used in smaller quantities depending on requirement
- Soft and removable.
- Free of halogens, silicon, isocyanates, epoxides. Non toxic and can be disposed of with normal waste.

Technical Data:

| | | |
|----------|--|--|
| resin | viscosity / 20°C colour density / 20°C | app. 2000 mPa s pale yellow * 0,9 g/cm ³ |
| hardener | viscosity / 20°C colour density / 20°C | 6000 – 9000 mPa s colourless 0.95 g/cm ³ |
| mixture | mixing ratio resin : hardener viscosity / 20°C colour density / 20°C potlife / 20°C geltime / 20°C | 1.55 : 1 pbw * app. 3200 mPa s pale yellow * 0,9 g/cm ³ app. 45 min * app. 120 min * |

Properties of cured product (typical values):

| | |
|--|---------------------------------------|
| mixing ratio resin : hardener | 1.55 : 1 pbw |
| temperature resistance | long-time: 100°C short-time: 140°C |
| tensile strength | 126 kN/m ² at 24° |
| Elongation | 94 % |
| dielectric strength | > 10 kV/mm |
| dielectric strength while still liquid | > 5 kV/mm |
| water absorption (ASTM D570) | 0.04% gain |
| chemical resistance against | no visible |
| mineral oil, 2n H ₂ SO ₄ , CaCO ₃ -solution | degradation |



Storage:

Store dry and well closed.

Processing:

Stir up resin compound well. Then mix resin and hardener carefully in recommended ratio for 1 - 3 minutes (depending on size of mixture and potlife). The mixture has to be poured into the mould immediately after mixing. Air bubbles that have been stirred in the mixture can be removed before end of potlife by evacuating or by blowing hot air over the surface causing the bubbles to collapse.



Please see material safety data sheet for additional information.



GH 0350

sealing compound

Set sealing compound, 350 ml
for WP 0202 x
sealing compound for refilling after changes or repairs
durability of sealing compound to processing \geq 12 months at a storage temperature of 5 - 50 °C



GH 500

sealing compound

Set sealing compound, 500 ml
for WP 040x x
sealing compound for refilling after changes or repairs
durability of sealing compound to processing \geq 12 months at a storage temperature of 5 - 50 °C



GH 850

sealing compound

Set sealing compound, 850 ml
for WP 060x x
sealing compound for refilling after changes or repairs
durability of sealing compound to processing \geq 12 months at a storage temperature of 5 - 50 °C



GH 1200

sealing compound

Set sealing compound, 1200 ml
for WP 10xx x
sealing compound for refilling after changes or repairs
durability of sealing compound to processing \geq 12 months at a storage temperature of 5 - 50 °C



GHL 5000

sealing compound

Set sealing compound, 5000 ml
sealing compound for refilling after changes or repairs
durability of sealing compound to processing \geq 12 months at a storage temperature of 5 - 50 °C
mixing ratio 1.55 : 1



GHL 10000

sealing compound

Set sealing compound, 10,000 ml
sealing compound for refilling after changes or repairs
durability of sealing compound to processing \geq 12 months at a storage temperature of 5 - 50 °C
mixing ratio 1.55 : 1

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