



- 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, Tg< -50°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, isocynates, 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 <sup>3</sup>
hardener	viscosity / 20°C colour density / 20°C	6000 – 9000 mPa s colourless 0.95 g/cm³
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/cm³ 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/m2 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 H2SO4, CaCO3-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 ≥ 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 ≥12 months at a storage temperature of 5 - 50 °C



## sealing compound

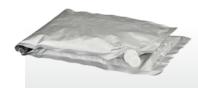


Set sealing compound, 850 ml for WP 060x x sealing compound for refilling after changes or repairs

durability of sealing compound to processing ≥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

### **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  $^{\circ}\text{C}$ mixing ratio 1.55:1

durability of sealing compound to processing ≥12 months at a storage temperature of 5 - 50 °C



### **GHL 10000**

#### sealing compound

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

## Hensel Electric India Pvt Ltd

**Industrial Electrical Power Distribution Systems** 

35 Kunnam Village, Sunguvarchathram Walajabad Road Sriperumbudur - 631 604 Kanchipuram Dist., Tamil Nadu INDIA

Phone: +91-44-6712 7700 +91-44-6712 7724 Fax: E-Mail: info@hensel-electric.in www.hensel.in Follow us at s in F [ ] [ ]

