

# Filobox + Filogel



The Filobox cable joint kit is suitable for sealing underground cable connections. The Filobox T40 + Filogel contains a non-hazardous 2K polybutadiene resin. The Filogel resin cures to a soft and non-sticky sealing gel which creates a durable seal around the cable connection. Filogel provides easy re-enterability. Suitable for connecting LV electrical cables, telephone cables and more. Filobox cable joints are especially suitable for outdoor- and underground applications or in a humid environment where an IP68 sealing is required. Filogel is isocyanate (MDI) free with no safety related labelling.

## Features

- Junction box with 3 cable glands M25
- Usable for cables with diameter 9-17mm
- Filogel has excellent adhesive strength on metal and synthetic material
- Filogel is based on polybutadiene resin
- Contains no MDI / Isocyanate free with no safety related labelling
- Simple and quick installation
- Horizontal and vertical installation possible
- Optimal electrical protection
- Filogel is amber / transparent
- Waterproof
- The gel provides easy re-enterability

### Specifications

## Filogel

Material Filogel	Polybutadiene
Temperature range	-25°C up to +80°C
Outer dimensions	90mm x 90mm x 52mm
Inner dimensions	77mm x 77mm x 46mm
Cable gland	M25
Cable size	Diameter 9-17mm
IP-value	IP 68 according to EN 60529: 1989+A1: 1999

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Properties	Unit	Value
Potlife (process time) 20°C	minutes	20
Gel-time 20°C	minutes	50
Viscosity 20°C	cps	1000
Exothermic peak (ASTM D2471)	°C	28
Density	g / cm <sup>3</sup>	0,91
Hardness	Shore A	5
Elongation at break	%	95
Temperature resistance	°C	80°C (short 120°C)
Corrosion of copper (MS 17000, 1139)		non corrosive
Insulation resistance at 500 V DC	ohm	1,2 x 10 <sup>12</sup>
Volume resistivity bij 500 V DC	ohm.cm	0,6 x 10 <sup>13</sup>
Water absorption (ASTM D570)	%	0,36
Water sensitivity (TA-NWT-000354)	%	0
Chemical resistant against		2n, H2SO4, CaCO3
colour		Transparent amber
Shelf life		18 months

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## More info

[Download: Mixing instructions resin](#)



## Products

Art.nr.	Product Name	Cable diameter (mm)	Dimensions (mm)	Order unit
80160	Filobox + Filogel	Ø 09 - 17	77x77x46	50 pcs.+