

POWER GEL

Transparent flexible two component sealing gel

For waterproofing and dustproofing of low voltage branch and connection boxes

Characteristics

- Seals and protects all electrical installations
- Completely non toxic, safe and durable
- Transparent consistency allows visual testing
- Vibration damping
- Removable by hand
- Unlimited shelf life (unopened)



Application

For branch and connection boxes

- Indoor
- Outdoor
- Installation duct

Test requirements

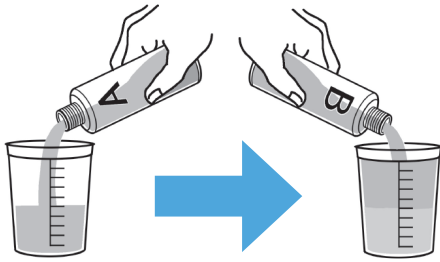
Voltage level	$U_0/U (U_m) 0.6/1 (1.2) \text{ kV}$
Protection class	IP68
Density [g/cm ³]	0.97
Mixing ratio	1 : 1
Color	Colorless and transparent, yellowish brown transparent by aging
Viscosity (23°C) [Nom]	1000 mPa · s
Dielectric strength	23 kV/mm
Volume resistivity	$1 \times 10^{14} \Omega \cdot \text{m}$
Cone penetration	175 mm/10
Reaction heat (23°C) [Nom]	Less than 70°C, 200 ml
Flame-retardance	Self-extinguishing time : within 1 second

Lineup

Type	Content (A + B)	Scope of delivery
FPG400	400 ml	Component A, Component B Measuring cup, Spatula
FPG1000	1000 ml	

Installation Procedure

1



- ① Pour half of the total amount of component A to use into the measuring cup.
- ② Add the same amount of component B to the measuring cup.
[Mixing ratio A:B=1:1]

Note ⚠ Non-required material in the PE bottles can be stored for up to 12 months for further use. Close after use.
Make sure that the amount of component in the component A bottle and component B bottle is the same.

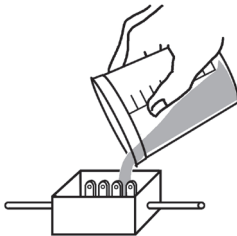
2



- ① Mix component A and component B for 30 seconds with the spatula.
- ② Scrape any component stuck to the inside of the cup so that the mixture is thoroughly mixed. Try also to minimize the amount of air bubbles that form in the mixture.

Note ⚠ If the components are NOT mixed thoroughly they will not jellify.

3



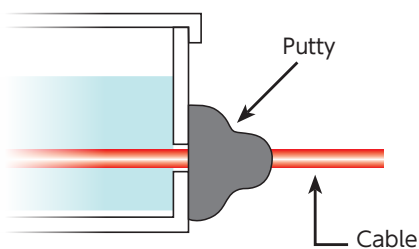
- ① Pour the mixture in the application area within 15 minutes.
- ② The mixture has a pot life*¹) of around 15 minutes, and will jellify*²) in around 30 to 60 minutes. (When the temperature is around 23°C.)

Note ⚠ The mixture will not jellify if the temperature is 0°C or lower.



*1 Pot life: The state where a semi-solidified substance still maintains some fluidity, but cannot be poured.
*2 Jellification: A state of solidification. Component will NOT stick to the skin even if touched.

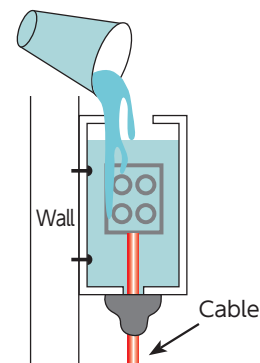
Horizontal application



POWER GEL is also available when there is a pass-through opening in the box.

- ① Fill the gap around the cable with putty to prevent the gel until the pot life is over ; 15min.

Vertical application



POWER GEL is also available for Vertical application

- ① Open a hole in the top of the box.
- ② Fill the gap around the cable with putty to prevent the gel until the pot life is over ; 15min.
- ③ Pour the gel through the hole.
- ④ After jellification, use putty or other material to close up the hole.

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Installation Movie URL <http://www.youtube.com/watch?v=b44dFhesUNo> Youtube Search Keywords "FEPS" "POWER GEL" "low voltage"