IPILITE® C050

Vermiculite Firestop Cement

Expanding Your World

Info Produk / *General Product*

IPILITE C050 adalah produk tahan api (firestop) yang terbuat dari campuran semen dan vermikulit yang dapat diaplikasikan dengan cepat dan mudah. Cukup tambahkan air dan diaduk (hand mixer + trowel) lalu aplikasikan di area yang telah ditentukan.

IPILITE C050 sangat cocok digunakan pada lubang/celah pada area lantai atau dinding, seperti area shaft kabel, shaft pipa air, hydrant shaft, precast gap, dan bus duct.

Firestop pada shaft antar lantai gedung dan lainnya tujuannya adalah untuk mencegah terjadinya perluasan penyebaran api antar lantai/ruangan gedung bertingkat apabila terjadi musibah kebakaran.

IPILITE C050 is a firestop product made from a mixture of cement and vermiculite which can be applied quickly and easily. Just add water and stir (hand mixer + trowel) then apply in the designated area.

IPILITE C050 is very suitable for use in holes/cracks in floor or wall areas, such as cable shaft areas, water pipe shafts, hydrant shafts, precast gaps, and bus ducts.

The aim of firestops in shafts between building floors and others is to prevent the spread of fire between floors of multi-storey buildings if a fire occurs.

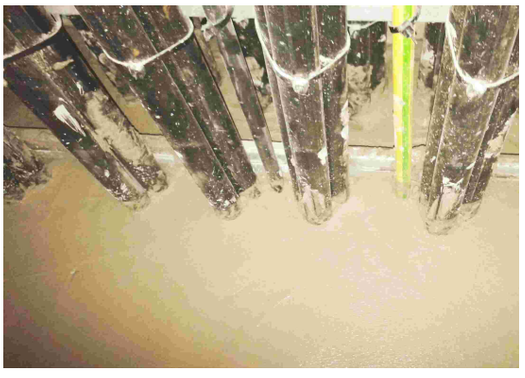


Fitur dan Manfaat / *Features and Benefit*

- Tahan api cocok untuk celah kabel/pipa yang besar.
  Fire-resistant suitable for firestopping large opening.
- Bebas asbes.
  Asbestos free.
- Dapat digunakan dalam aplikasi vertikal atau horizontal.
  Can be used in vertical or horizontal applications.
- Untuk dinding dan lantai kategori tingkat ketahanan api hingga 2 jam.
  Walls and floors rated up to 2 hours fire rating.

Spesifikasi / *Spesification*

- **Density** : 600-800 kg/m^3
- **Combustible Test** : Non Combustible (JIS A 1321)
- **Thermal Conductivity** : 0.152 W/mK
- **Fire Rating** : -/120/120 (120 minute) (SNI 1741-2008)
- **Spread Flame Test** : 14.39cm (Class A) (ASTM D3806)
- **Packaging** : 20 kg/bag
- **TKDN** : 46,30%





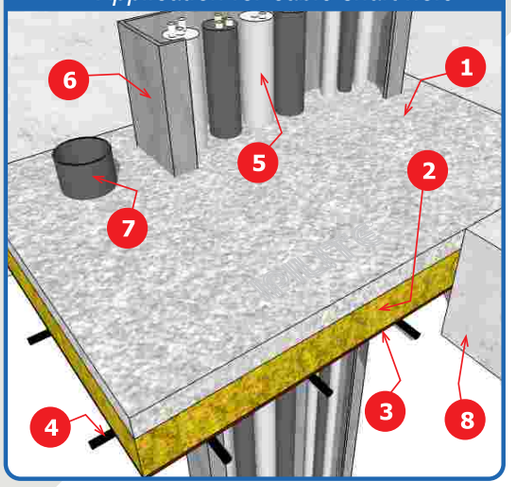
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ISO 9001:2015 certimark
ISO 14001:2015 certimark
ISO 45001:2018 certimark

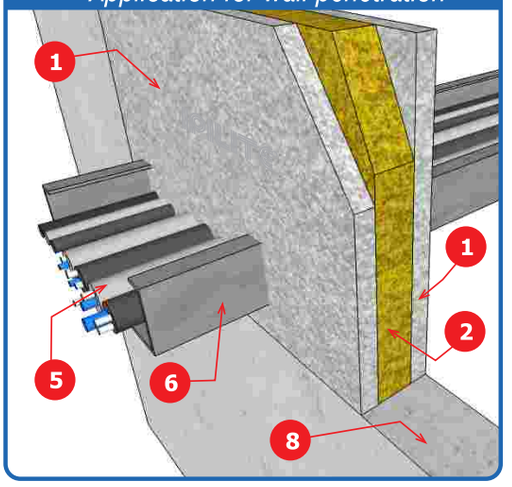
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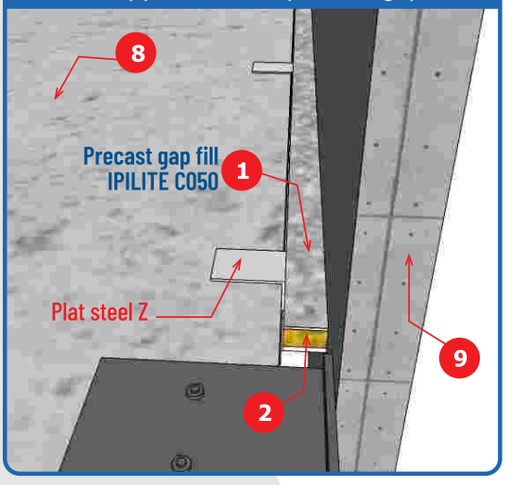
Aplikasi di lubang shaft
Application for cable shaft hole



Aplikasi di dinding penetrasi
Application for wall penetration



Aplikasi di celah beton pracetak
Application for precast gap



Keterangan / *Information* :

1. Firestop Vermiculite cement base ex.IPILITE C050, thickness : 25mm
2. Mineral wool density min.100kg/m^3, thickness : 50mm
3. Fiber Cement board, thickness : 4mm
4. Steel bar, ∅: 8mm
5. Electrical cables
6. Steel cable tray
7. Metal pipe
8. Concrete floor slab
9. Precast Concrete

• Tabel Perbandingan / *Table of Comparison* •

No	Description	Rockwool	Vermiculite Cement
1	Thermal Conductivity	Good	Good
2	Service Temp	Up to 650^{o}C	Up to 1000^{o}C
3	High Durability	Fine	Excellent
4	Sound Absorption	Good	Good
5	Smoke Generation	Yes	No
6	Water Absorption	High	Medium
7	Toxicity of Fumes after burning	Toxic	Non Toxic
8	Compressive Strength	Low	High
9	Insulation	Good	Good
10	Fire Resistance	No	Yes