

Product Data Sheet
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Identification No. HR-4



PROPERL LOOSE

Loose Fill Perlite Insulation

Description

It is perlite insulation as an inert volcanic glass expanded by special heat process. The light weight product is a white granules that handles and pour easily. It gives a 50% reduction in heat transmission or more. It is compiles with ASTM C-549, C-520, C-1363, E-84

Where to use

- Filling the hollow cavity and hollow cores of concrete blocks.
- Filling the hollow core of cavity type masonry walls.

Advantages

- It is not combustible.
- It improves fire rating from 2 hours to 4 hours for 20 cm concrete block.
- Easy to apply.
- Economic.
- Eco friendly.
- Inorganic so it is rot resistant.
- Non settling.
- Flowable.

Properties

| | |
|----------------------|-------------------------|
| Color | white |
| PH | 6.5-7.5 |
| Bulk density | 50-400kg/m ³ |
| Grain size | 0-5mm |
| Thermal conductivity | 0.04-0.06 w/m.k° |
| Melting Point | 1260 -1340 °C |
| Softening Point | 850 - 1100 °C |
| Fire rating | up to 4 hours |

How to use

- The loose fill should be installed in the cores of all exterior (or interior) hollow masonry.
- It is used in the cavity between all exterior (or interior) hollow masonry walls.
- It is used between exterior masonry walls and interior furring.

- The material should be poured directly (or via a hopper) in the top of the walls (not exceeding 6 m).
 - Walls section under doors and windows should be filled before sills are placed.
 - Rodding or tamping is not recommended .
 - All holes or opening through which the material can escape should be sealed.
 - Screening should be used in all weep holes.
 - The material must remain dry and protected from inclement weather.
- Theoretical coverage:**
- 1 sack fill up to 17 pieces 20cm. concrete block
 - 7 sacks fill approx. 9m² of 20cm. concrete blocks.

Packaging:

15 kg/sacks

Shelf life & Storage

One year in its sealed packs stored under proper conditions

Health and Safety

- Use goggles-gloves and a breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Remove splashes from skin with hand cleanser or soap and water.
- Eye splashes to be washed with plenty of water.

Additional Information

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