

Specialty filler

TEGO® Therm HPG 4000

DESCRIPTION

TEGO® Therm HPG 4000 is a purely mineral product based on silicone dioxide. TEGO® Therm HPG 4000 can be combined with other materials to produce thermal insulation coatings.

KEY BENEFITS

- superinsulation properties
- outstanding low thermal conductivity at high temperature range
- high hydrophobicity
- excellent heat & mechanical stability
- non-combustible

EFFECT

Brightness



Absorptive capacity



Gloss reduction



Smooth Surface Profile



SUITABILITY

waterborne



● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- Insulation coatings
- Ovens, furnaces, pipelines, incinerators
- Heat-stable coatings for industrial facilities
- Architectural paints

TECHNICAL DATA

| | |
|--------------------------------|------------------------------|
| carbon content | < 2.5 (without opacifier) % |
| delivery form | free-flowing powder |
| loss on drying | < 0.5 % |
| particle size, d ₅₀ | Approx 300 µm |
| particle size, d ₉₅ | < 1000 µm |
| pH-value | 6.5 - 8.5 |
| specific surface area (BET) | Approx 115 m ² /g |
| tamped density | Approx. 225 g/l |
| thermal conductivity at 10°C | Approx. 0.024 W/m/K |

PROCESSING INSTRUCTIONS

- Incorporate the product under low shear forces with moderate to high agitation.
- Homogenize the content of the package carefully directly before use.

HANDLING & STORAGE

The product is supplied in 200 L metal drums with 30 kg content. We recommend storing the product under dry conditions (e.g., closed warehouse). The product should be used within 5 years after production.

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