

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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