

Specialty filler

# TEGO® Therm HPG 6806

## DESCRIPTION

TEGO® Therm HPG 6806 is a purely mineral product based on silicone dioxide. TEGO® Therm HPG 6806 can be combined with other materials to produce thermal insulation coatings.

## KEY BENEFITS

- excellent insulation properties
- low particle size for smooth coating surface
- high hydrophobicity
- less thickening and easy to incorporate in coatings
- excellent heat & mechanical stability
- non-combustible

## EFFECT

### Brightness



### Absorptive capacity



### Gloss reduction



### Smooth Surface Profile



## TECHNICAL DATA

carbon content	Approx 3 %
delivery form	free-flowing powder
loss on drying	< 1.0 %
particle size, $d_{50}$	Approx 30 $\mu\text{m}$
pH-value	7.0 - 9.5
specific surface area (BET)	Approx 190 $\text{m}^2/\text{g}$
tamped density	Approx. 300 g/l
thermal conductivity at 10°C	Approx. 0.030 W/m/K

## PROCESSING INSTRUCTIONS

Incorporate the product under low shear forces with moderate to high agitation.

## HANDLING & STORAGE

The product is supplied in 200 L metal drums with 45 kg content. We recommend storing the product under dry conditions (e.g., closed warehouse). The product should be used within 5 years after production.

## SUITABILITY

### waterborne



● not suitable ● partly suitable ● suitable

## TYPICAL APPLICATIONS

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

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