SILFILLER

AEROGEL
SUPER-INSULATION BEADS

activeaerogels

Main Properties

- Low thermal conductivity
- No glass transition temperature
- Excellent thermal shock resistance
- Low thermal expansion
- Highly hydrophobic
- Oleophilic
- Low density
- Low dielectric constant
- Energy Saving
- Cost effective
- Design freedom

Our silica based aerogels are synthetic, porous and ultralight, offering a combination of properties that render the aerogels as an excellent solution for a variety of applications.

SILFILLER can be used as an additive for mortars, cements, plasters, paints and coatings to enhance their thermal insulation performance. Additionally, SILFILLER is suitable for bulk-filling of double wall cryogenic containers.

SILFILLER can further be used for oil-spill remediation and wastewater treatment, namely for adsorption of phenolic compounds and hydrocarbons removal. Although available in granules, a grinder/chopper machine can be used to have different particle sizes. SILFILLER can also be delivered as powder upon request.

Applications

SILFILLER main applications include:

- Thermal insulation additive
- Bulk-fill of double wall containers, tanks or vessels
- Oil-spill remediation and wastewater treatment

Volume range

SILFILLER is available in:

- 1 L
- 5 L
- 10 L
- 20 L

Physical Properties

Density [kg m^{-3}]	120 to 200
Service temperature [°C]	-250 to 350
Thermal conductivity [mW m^{-1} K^{-1}] Atmospheric pressure, 10 °C EN 12667:2001, Single –specimen Lambda-meter EP-500, Lambda-Messtechnik GmbH Dresden	24.7
Hydrophobic	✓
Oleophilic	✓
Particle size [mm]	1 to 20

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