T-1069
Thermal Coating

Quattro

Product Overview

This is a specialized insulation paint formulated with elastomeric resin, incorporating unique vacuum microspheres. It is vapor permeable, water-based, exhibits low thermal conductivity, and possesses high sunlight absorbency along with elevated surface heat output values. Scientific evidence supports its effectiveness in delivering thermal and water insulation for both interior and exterior surfaces.

Application Domains

- It is suitable for both interior and exterior surfaces, features low labor costs, and allows for easy and rapid application.

Technical Specifications

Density (25°C, g/mL)	0,70 ± 0,15
pH (25°C)	7.0 – 9.0
Viscosity (25°C, mPa·s)	12500 – 13500
Solid Matter Ratio (% by weight)	48 ± 2
Water transfer rate (kg/m²·h$^{0.5}$)	≤ 0.1 CLASS W3
Adhesion strength measured by pull–off test (N/mm²)	Crack sealing or flexible systems without traffic load of at least 0.8 N/mm²
Water vapor permeability (m)	SD < 0.14 CLASS I
Thorough drying	72 seconds

The information presented in this technical data sheet is derived from the results of conducted tests. The user bears full responsibility for the proper application of our original product. Our company assumes sole responsibility for the product's quality. This data sheet replaces the information found in the previous version. Our company retains the right to amend any information within this data sheet.

Advantages

- It does not emit radiant heat and offers energy savings of up to 40%.
- It inhibits the development of moisture and mold on the wall while also providing water and sound insulation properties.
- It does not accumulate dirt, is simple to clean, and possesses flame–retardant and fireproof characteristics.

Surface Preparation

The application surfaces must be clean and dry, entirely devoid of residues such as oil, dirt, dust, and rust. Careful cleaning is crucial to guarantee optimal adhesion.

Mixture

T-1069 is blended until a homogeneous consistency is achieved. The mixture should be combined using a low-speed mixer or drill. During application, T-1069 must be stirred periodically to ensure homogeneity. No additional substances, liquids, or similar materials should be incorporated.

Application Details

For exterior applications, the product should be applied in two to three coats, ideally using a roller or brush without dilution. For interior applications, one or two coats are advisable, contingent upon the desired color and coverage. For roof applications, two to three coats are recommended. It is suggested that each coat be applied perpendicular to the preceding one. Application must be conducted with careful consideration of drying times. The second and third coats should be applied only after the first coat has dried, with a waiting period of four hours between coats.

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Consumption

Max. 300 mL/m² (for interior applications)
1 L/m² (for 1 mm thickness)
2 L/m² (for 2 mm thickness)

PACKAGING

20 kg tin

Shelf life

It can be stored for 12 months in its unopened packaging in a cool, dry, and dark environment at temperatures ranging from +10°C to +25°C.

Attention

Avoid applications when the ambient temperature and application location are below +5 °C or above +30 °C. Refrain from applying in direct sunlight, rain, or wind. Do not apply on surfaces that have been subjected to prolonged sunlight exposure, or on surfaces that are frozen or at risk of freezing within 24 hours.

R10: Keep away from children.
R20/22: Harmful if inhaled or ingested.
R52/53: Toxic to aquatic life, may result in long-term detrimental effects in the aquatic ecosystem.
R65: Harmful. May result in lung damage if ingested.
S7: Store in a tightly sealed container.
S24/25: Avoid contact with eyes and skin. S28: In the event of skin contact, rinse immediately with ample water.
S29: Do not discharge into the sewer.
S46: If ingested, seek medical attention promptly and present the container or label.