



Product description

QuaTherm 4004 is a single-component, polymer- and fiber-reinforced, shrinkage- and crack-resistant, white cement-based decorative finishing mortar, enhanced with specialized chemical additives, intended for application as a coating on surfaces including concrete and plaster.



Application Areas

- Interior and exterior
- On the walls and ceilings.
- Horizontally and vertically
- Plastering of concrete and plastered surfaces.
- It serves as a concluding coating layer in external thermal insulation systems.



Technical specifications

Intensity	1.71 kg/l
Water mixing ratio.	6 to 7 liters of water for every 25 kilograms of powder.
During repose	5-10 minutes
Working hours	1-1.5 seconds
Adhesive strength	$\geq 0.50 \text{ N/mm}^2$
Temperature range of applicability	From +5°C to +30°C

The information presented in this technical data sheet is derived from data collected during testing. The user assumes full responsibility for the proper use of our original product. Our company is exclusively accountable for the product's quality. This data sheet supersedes the information found in the prior data sheet. Our company retains the right to modify any information included in this data sheet.



Advantages

- It is simple to prepare and implement.
- Resistant to thermal shock.
- Imparts a natural and decorative appearance to the structure.
- Its adhesive properties are remarkably strong.
- Enhances the structural integrity of the building envelope.
- Paint can be applied directly onto it.
- It exhibits a high resistance to ultraviolet radiation.
- Conceals flaws in plasterwork
- It possesses hydrophobic properties.



Preparing the foundation

The surface must be clean, smooth, and in good condition. It should be devoid of dust, oil, paint, and other substances that may hinder adhesion. Prior to application, the surface must be moistened, and in high temperatures or strong winds, it should be thoroughly saturated with water. Quattro ceramic primer should be applied with a brush to ceramic surfaces before the application of decorative plaster on highly absorbent or polished concrete surfaces. When utilized as a thermal insulator, Quattro ceramic primer should be applied to the final coat of plaster after a minimum of 24 hours, followed by the application of QuaTherm 4004.



Mixture

Add 25 kg of QuaTherm 4004 powder to 6-7 liters of clean water and mix using a low-speed mixer or drill for 3-4 minutes until a smooth, lump-free consistency is attained. Allow the mixture to rest for 5-10 minutes, then mix again. It is advisable to utilize the mixture within 1.5-2 hours.



About the Application

QuaTherm 4004 should be evenly distributed across the surface with a steel trowel. The thickness of the layer must be adjusted according to the granule size, with a typical requirement of 2 mm. Depending on the weather conditions, after 5 to 10 minutes, the pattern should be applied to the surface using a plastic trowel in circular motions. This pattern application should occur while the decorative plaster remains wet. For larger openings, continue the application with adequate support to prevent visible joints. Allow a curing period of 2 to 3 days before applying paint, contingent upon weather conditions. The application time may extend at lower temperatures and shorten at higher temperatures. In high-rise buildings subjected to wind loads and elevated temperatures, ensure sufficient moisture and protect scaffolding accordingly.



Consumption

2.5 – 3 kg/m²



PACKAGE

25 kg kraft paper sack



Shelf life

In unopened packaging, it can be stored for 12 months in a cool, dry location shielded from sunlight at a temperature ranging from +10°C to +25°C.



Attention

Avoid application in environments where ambient temperatures fall below 5°C or exceed 30°C. Refrain from applying in direct sunlight, rain, or windy conditions. Do not apply to surfaces that have been subjected to prolonged sunlight exposure, nor to frozen surfaces or those 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 abundant water.

S29: Do not discharge into drains.

S46: If ingested, seek medical attention promptly and present this container or label.