

BETEK THERMAL INSULATION GROUP

BETEK THERMAL INSULATION PLASTER

PRODUCT DESCRIPTION

Betek Thermal Insulation Plaster is a cement-based, fiber-added special plaster that is used in applying white coat on thermal and sound insulation materials like polystyrene-based and rock wool plates in interior and exterior surfaces besides fixing these materials, and that increases the strength of the surface with mesh application.

SPECIFICATIONS

- It provides strong adhesion ability to polystyrene-based and rock wool plates.
- Thanks to the high and healthy polymers in its formula; it is
 - Secure,
 - Flexible and
 - Resistant to impacts
 with high adhesion performance.
- It absorbs the tensions and vibrations resulting from temperature differences and thus minimizes the risk of cracking thanks to the fibers in its formula.
- Its long term resistance to external weather conditions is proven with hydrothermal wall tests.
- It has high water vapor permeability.
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- It has superior workability and application quality.

TECHNICAL SPECIFICATIONS

Adhesion (on polystyrene plate)	: > 0.08 N/mm ²	EN 13494
Water Absorption	: < 0.1 kg/m ² .h ^{0.5}	EN 1062-3
Impact Resistance	: > 2 joule	EN 13497

COLOR

Grey - White

SURFACE PREPARATION

The surface must be smooth, dry, clean, secure and self-supporting.

MORTAR PREPARATION

Add clean and cold water into **Betek Thermal Insulation Plaster** slowly, and mix for approximately 10 minutes with a low speed mixer until the mixture is free from pellets. Adjust the required water amount according to the weather conditions. Rest the mixture for 5 minutes and mix again. Readjust the consistency by adding water, if required. Consume the prepared mixture within 2-2.5 hours according to the weather conditions. Do not reuse the hardened material by reconstituting.

APPLICATION

Fasten the thermal and sound insulation materials like glued polystyrene-based and rock wool plates with dowels after min. 24 hours. Install the profiles and particularly building corners, corners of openings like windows and doors, and joint gaps. Apply **Betek Thermal Insulation Plaster** on thermal insulation plates in 4 mm thickness using a 10x10 mm toothed steel trowel. Press alkali resistant mesh (160 g/m²) 1-1.5 mm in a way that it will be close to the exterior surface with a trowel before the plaster is fully dry by overlapping the meshes by 10 cm, level the plaster surface. Reinforce window and door corners with crosswise mesh. Ensure that the ambient and surface temperatures are min. +5 °C and max. +30 °C during application and drying. Avoid application under conditions including direct sunlight, rain and strong winds. Protect the product from freezing until set. Protect the application against rain or wetting due to various reasons until fully-dry. Damp the surface regularly with spraying method (using unpressurized water) to prevent the sudden loss of water and enable healthy settling of the plaster in cases where the ambient and surface temperatures exceeds +25 °C. Clean the utilized tools thoroughly with water after application. Cover the surface before it is exposed to extreme dew,



humidity and precipitation.

BLENDING

Blend 25 kg **Betek Thermal Insulation Plaster** with 6 to 7 L water depending on the weather conditions.

DRYING TIME

Surface dryness: 1 day at 20 °C and 65% RH. Full dryness: 2-3 days. Since drying occurs physically with the evaporation of water, low temperature and high relative humidity lengthens this period.

CONSUMPTION

On polystyrene plate : 4.0 - 4.5 kg/m²

On rock wool plate : 4.0 - 5.0 kg/m²

Please note that specified consumption values may vary depending on the surface and application conditions. Controlled sample application must be done for precise coverage / consumption.

PACKAGING

25 kg craft bag

STORAGE

May be stored up to 6 months in dry form in its unopened package protected from humidity.

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.