



# Optimix Thermal Insulation Plaster Mortar

## DESCRIPTION

**Optimix Thermal Insulation Plaster Mortar** is a cement-based plaster mortar that is used in applying a white coat on thermal and sound insulation materials like polystyrene-based and rock wool plates in interior and exterior surfaces to increase the strength of the surface with mesh application.

## FEATURES

- Strong adhesion to polystyrene-based and rock wool plates.
- Ideal impact resistance and adhesion performance thanks to optimum polymer rate.
- Absorbs the tensions and vibrations resulting from temperature differences and thus minimizes the risk of cracking thanks to the additives in its formula.
- Water repellent.
- High water vapor permeability.

## TECHNICAL SPECIFICATIONS

Adhesion Strength (on polystyrene plate): > 0,08 N/mm EN 13494

Fire response class: A1

## COLOR

Gray

## SURFACE PREPARATION

Ensure the surface is smooth, dry, clean, secure and self-supporting.

## MORTAR PREPARATION

Add clean and cold water slowly into **Optimix Thermal Insulation Plaster Mortar**, and mix for approximately 10 minutes with a low speed mixer until the mixture is free of 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 a minimum of 24 hours. First install the profiles and in particular building corners, corners of openings like windows and doors, and joint gaps to suitable places. Apply **Optimix Thermal Insulation Plaster Mortar** on thermal insulation plates in a thickness of 4 mm using a 10x10 mm toothed steel trowel. Press the alkali resistant mesh (160 g/m<sup>2</sup>) 1-1.5 mm with a trowel in a way that it will be close to the exterior surface before the plaster is fully dry by overlapping the meshes by 10 cm, and level the plaster surface. Reinforce window and door corners with crosswise mesh.

Ensure that the ambient and surface temperatures are a minimum of +5 °C and a maximum of +30 °C during application and drying. Avoid application under direct sunlight, rain and strong winds. Protect the product against freezing until set. Protect the application against rain or wetting due to various reasons until fully-dry. Damp the surface regularly with spraying (using unpressurized water) to prevent a sudden loss of water and enable the healthy settling of the plaster in cases where the ambient and surface temperatures exceeds +25 °C. Clean the used tools thoroughly with water after application. Cover the surface after the **Optimix Thermal Insulation Plaster Mortar** application before it is exposed to extreme dew, humidity, and precipitation.

## MIXING

Mix 25 kg **Optimix Thermal Insulation Plaster Mortar** with 5.5-6.5 L of 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 temperatures and high relative humidity lengthens this period.

### CONSUMPTION

On polystyrene plate: 4.0 - 4.5 kg/m<sup>2</sup>

On rock wool plate: 5.5 - 6.5 kg/m<sup>2</sup>

Please note that specified consumption values may vary depending on the surface and application conditions. Perform a controlled sample run to estimate the precise consumption.

### PACKAGING

25 kg craft bag

### STORAGE

May be stored for up to 12 months in a dry form in its unopened package protected from humidity.

### HAZARD PHRASES

H315 Causes skin irritation.

H318 Causes serious eye irritation.

H335 May cause irritation in respiratory tract.

### PRECAUTIONARY PHRASES

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/vapor/spray.

P305 + P351 + P338 IN CASE OF EYE CONTACT: Carefully rinse with water for a couple of minutes. Remove contact lenses if worn and easy to do so. Continue rinsing.

P310 Immediately CALL NATIONAL POISON CONSULTING CENTER/Call a doctor.

P321 Specific treatment required (see label).

P405 Keep locked up.

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

### WARNING WORD Hazard

Complies with the G communiqué. **Produced in line with TS 13687/2016.**



GHS05



GHS07