

POMEX THERMOMEX SCREED



Thermal, Sound and Fire Insulated Screed

Description

It is a screed material, cement based which provides thermal, sound and fire insulation breathing on the application surface thanks to the natural and light porous aggregation.

Certified to TS EN 998-1 TSE and EN 998-1 CE Documents.

The Ministry of Environment and Urban Planning Pos No: 04.485

Areas of usage

It is a screed material used under coating in order to provide thermal, sound and fire insulation on indoors floors, open roofs and terraces.

Features of the Product:

- *It provides thermal insulation on the building floors.
- *It contributes to the budget in heating-cooling expenditures.
- *It does not put extra burden on the building since it is very light. *It does not require extra labor since it is applied as single layer.
- *It does not let the formation of thermal bridges since it does not form interlayers.
- *It does not include harmful chemicals for the human and environmental health since it is an inorganic based material. It forms fire barriers.
- *It breathes
- *It increases the value of the buildings.
- *It provides sound proof between the floors of the building.

APPLICATION PROCEDURE

Surface Preparation

The application surface is cleaned from dust, oil, paint and stains. The loose parts are removed mechanically until they reach durable floor. The very porous surfaces should be waterlogged in hot or windy weather. There should be no uncontrolled water on the surface. The laths that would determine the thickness of applied **POMEX THERMOMEX SCREED** are fixed on the walls with the proper intervals to form the plaster strips.

POMEX THERMOMEX SCREED is slowly added into the necessary amount of water in a mixing bowl. A homogeneous mixture is prepared by mixing it with a low speed mixer for 4 - 5 minutes. The mixture waits for 5 minutes before being mixed for another 20-30 seconds.

Mixture Ratio

Approximately 16-17 liters of water for 25 kg powder

Application

The prepared **POMEX THERMOMEX SCREED** is applied among the laths using a steel trowel or plaster pump; and then is finished. When the pre-draining is over, the plaster strips are removed and filled with **POMEX THERMOMEX SCREED**. If the product starts to set due to delays, it should be mixed for a few minutes.

Points to take into consideration

For **POMEX THERMOMEX SCREED** application, if the ambient temperature is below +5°C or above +30°C, the suitable conditions should be met. Extremely hot, rainy or windy weather is not suitable for application. The material should be applied minimum 3 cm. The drying material should not be mixed with water and new material. The applications to be made on **POMEX THERMOMEX SCREED** should start at least 3 days later. Before the applications to be made on **POMEX THERMOMEX SCREED** such as leveling screed, ceramics etc. the water absorbance of the surface should be checked using **eile COAT E**. If required, **eile COAT E** should be applied as two layers. The whole 25 kg package of **POMEX THERMOMEX SCREED** should be used for the mixture.

Cleaning of Tools

The tools and equipment used in the application should be cleaned with water. **POMEX THERMOMEX SCREED** can be removed only mechanically after it hardens.

Package

Kraft sack of 25 kg

Storage: It is stored in cool and dry place in their unopened package in a maximum pile of 10 packages.

Shelf Life: 12 months following the production date under the specified storage conditions.

Technical Specifications:

Structure of the material: It contains polymer and fiber reinforced special cement as well as expanded filling with special gradation.

Color



POMEX

Construction Chemicals

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POMEX THERMOMEX SCREED



Application Temperature:	+5 °C/+30 °C
Fire reaction	: Class A 1
Application Type	: Screed Machine- Steel Trowel
Ready within	: 3-7 days (23 °C)
Usage Time	: 120 minutes (23 °C)
Dry bulk density	: 600 ±50 kg /m ³
Consumption	: 6-7.5 kg /m ² powder for 1 cm
Test Drying	: 28 days(23 °C)
Sound absorbance	: 20 dB
Pressure strength	: ≥ 5 N/mm ²
Bond strength	: ≥ 0.5 N/mm ²
Thermal conductivity	: 0.09 W/mK

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Water absorption during capillary effects: W1
Bond strength : ≥ 0,15 N/mm²
Water vapor permeability: ≤ 15 kg/m².s.Pa
Pressure strength : CSII
Thermal conductivity factor: Class T1
Reaction to fire class: Class A 1

The typical values above are valid for the performances of the applications 28 days after their completion at +23°C for 50% relative humidity. The values might change due to the differences in the worksite environment.

Safety Recommendations: Please wear the work overalls suitable for work and worker's health, protective gloves, glasses and mask. Make sure it does not contact the skin and the eyes; in case it does, wash it with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep away from children. Keep food and drinks away from the application sites. **Responsibility: In case the recommendations and application conditions specified above are not conformed,** the applications (misuse) do not fall under the responsibility of the **POMZA EXPORT A.Ş., the producer of eile POMEX branded products.** The user is responsible from whether the product is used in accordance with its purpose as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any compensation demand concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

Note: eile POMEX reserves the right to

improve/revise the product and this technical document over time. This Technical Information Slip overrules the former Technical Information Slip released for this product. The user must make sure the available technical document is the updated version. If necessary, our company must be contacted to interrogate the updating status of the document. AUGUST 2014



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