

## POMEX THERMOMEKS-D 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.

### 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 reaches durable floor.

The very porous surfaces should be waterlogged in hot or windy weather.

There should be no uncontrolled water on the surface.

### MIXTURE RATION

Firstly the craft of a component is added into the screed machine than added 18-20 litres of water. After The craft of B component, a craft of A component and 10-20 litres of water are added .A homogenous mixture is made .

### APPLICATION

The prepared Thermomeks-D Screed is applied the corners, at the required level for any heights .The spaces are filled up with gauge .If desired ,the surface are fixed steel trowel or by machine helicopter.

### POINTS TO TAKE INTO CONSIDERATION

For Pomex Thermomeks-D screed application , if the ambient temperature is below +5 or above + 30c, the suitable conditions should be met.

Extremely hot, rainy or windy weather is not suitable for application.

The applications should be expected to wait at least 3 days.

Before the applications to be made on POMEX THERMOMEX –D 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 layer

### CLEANING OF THE TOOLS

The tools and equipment used in the application should be cleaned with water.

POMEX THERMOMEX-D SCREED

can be removed only mechanically after it hardens.

### PACKAGE

**A component aggregation** :100 dm<sup>3</sup> PP sack

**B component connector** :20 kg craft sack

**For 1 m<sup>3</sup> of mixture** 10 sack A aggregate+5 sack B connector

**For 1 m<sup>3</sup> of mixture about water** 125-175 litres of water

**0,60 -0,65 m<sup>3</sup> capacity is coated by 1 m<sup>3</sup> dry mixture.**

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.

### Storage and shelf life :

**A Component Aggregation** : the life span is longer. There is no importance of getting wet at the construction site.

**B Component Connector:** Storage: It is stored in cool and dry place in their unopened package in a maximum pile of 10 packages. 12 months following the production date under the specified storage conditions.



**POMEX®**

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# POMEX THERMOMEX -D



CE	
POMZA EKSPORT MADENCİLİK SAN.VE TİC.A.Ş BORNOVA/İZMİR/TÜRKİYE 15 SV 8	
TS EN 998-1	
POMEX THERMOMEKS-D	T CLASS
DRY CAPACITY DENSITY	450 +- 200
PRESSURE STRENGTH	CSII
BOND STRENGTH	->0,10 N/mm <sup>2</sup>
CAPILLARY WATER ABSORPTION	W0
WATER VAPOR PERMEABILITY	- < 15
REACTION TO FIRE	A1

**Structure of the material:** It contains polymer reinforced ,especial connector as well as expanded filling with special gradation.

**Color :** Grey

**Application Temperature:**+5 0C/+30 0C

**Fire reaction :** Class A 1

**Application Type :** Screed Machine- Steel Trowel

**Ready within :** 3-7 days (23 °C )

**Usage Time :** 120 minutes (23 °C )

**Test Drying :** 28 days(23 °C )

**Sound absorbance :** 14 dB for 3 cm thickness

**Pressure strength :** ≥ 5 N/mm<sup>2</sup>

**Bond strength :** ≥ 0.5 N/mm<sup>2</sup>

**Thermal conductivity :** 0.061 +-3,3 W/mK

**Safety Recommendations:** Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

**Responsibility:** In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş., the producer of eile POMEX branded products.** The user is responsible for 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 indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

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