POLY PLASTER 1000- THERMAL INSULATION BOARD PLASTER MORTAR

DESCRIPTION :

Cement based, flexible adhesive mortar with polymer additive specially prepared to adhere insulating boards (XPS, EPS, Rock-wool etc.) on surfaces of concrete, brick, gas concrete.

ADVANTAGE:

- Easy to apply.
- Not affected by changes in temperature.
- Vapour permeable.
- Non-flammable.
- No shrinking or cracking.

AREA OF USE :

- Indoor and outdoor spaces,
- Plastering of insulating boards of XPS, EPS and Rock-wool.
- Used to cover concrete, precast reinforced concrete elements, cement-based chipboard, and old plastered surfaces.

MIXTURE PREPARATION :

- POLY PLASTER 1000 on 6 – 6.5 L of clean water slowly and mix to obtain a homogeneous paste free from lumps.
- A low-speed mixer is recommended to mix. Do not add any substance which is not mentioned in the instructions for the application.
- The prepared mortar is left to rest for 5 minutes so that it matures after which it is mixed for 1-2 more minutes and then it becomes ready for application.

APPLICATION :

- Apply the mortar on the insulation board using a steel trowel.
- Notch the first coat of plaster with 4x4 mm tooth thickness notched trowel for homogenous thickness.
- Gently press and fit in reinforcement mesh using a steel trowel before the plaster mortar dries. Apply in 10 cm overlaps at the joints of reinforcement mesh.
- Second coat can be applied when the first coat dries off.
- Smoothen surfaces with a steel trowel after the second coat.
- The screed application on the thermal insulation boards shouldn't be thicker than 4 mm.
- When the screed mortar completely dries off, the last coat that is able to breathe is applied.

PACKING :

25 kg craft bags.

PRECAUTION IN APPLICATION:

- Should not be applied to surfaces that were exposed to sunlight for too long or to surfaces that are too hot or frozen.
- Should not be applied when the ambient temperature is not within the values of +5°C and +30°C.
- The application area should be protected from the effects of wind and direct sunlight.
- Boards that have stayed under sunlight for too long and have lost their effective features should not be used.
- During application, place insulating boards as closely as possible to one another in order to avoid gaps in between.
- The final consumption amount might vary depending on application conditions and surface characteristics.

SURFACE PREPARATION :

- The application surface on the board should be clean and dry.
- Thermal insulation boards should be well placed in gauge and plumb.
- Gaps between boards should be filled with same insulating material or foam depending on their width.

STORAGE AND SHELF LIFE :

Must be stored at temperatures between +5°C and +35°C. Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use

SECURITY INFORMATION :

Use protective clothes, gloves, glasses and mask compatible with Health and Safety regulations during the application. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and if swallowed ask for medical help. Food and beverage should not be allowed in the application area. It should be stored at the reach out of the children. The Material Safety Data Sheet (MSDS) should be read for detailed information.

CONSUMPTION :

4 – 5 kg/m²

TECHNICAL PROPERTIES:

Appearance	Grey Powder	-
Pot Life	4 Hours	-
Aplication Tempeture	Between +5°C and +35°C	-
Mixing Ratio	5.5 – 6.5 L water / 25 kg powc	-
Application Thickness	max. 8 mm	-
Consumption	4-4.5 kg/m² for polystyrene board. / 5.5- 6.5 kg/m² for rockwool board	-

PERFORMANCE :

Compressive Strength	≥6 N/mm2 - CSIV	EN 1015-11
Capillary Water Absorption	≤ 0,5 kg/m²dk$^{0.5}$ Wc1	EN 12808-5
Adhesion Strength to Substrate	≥ 0.5 N/mm²	EN 1015-12
Insulating Board Adhesive Strength	≥ 0.08 N/mm²	EN 13494
Water Vapor Permeability Coefficient	≤15 µ	EN 1015-19
Thermal Conductivity	≤0,45 W/mk	EN 1745
Reaction to Fire	A1	EN 13501-1

Hereby technical values and product application instructions are obtained in the wake of tests conducted in environment of +23±2°C temperature with relative humidity of %50±5. Higher temperatures will shorten the time span, while lower temperatures will extend it.

WE ARE HERE , DO NOT WORRY ABOUT THE STANDARD

WITH POLYSTAR THE HIGHEST QUALITY CONCRETE IS ACHIEVED