

PLAM PLASTER

Two-component thixotropic epoxy primer

DESCRIPTION

Plam Plaster Isoplam[®] is a two-component, solvent-free epoxy adhesive paste, suitable for vertical and overhead applications.

FIELDS OF APPLICATION

Plam Plaster Isoplam[®] is used for various purposes:

- adhesive for bonding heterogeneous materials (concrete, fiber cement, wood, iron, natural stone...);
- repair of building materials in general;
- bonding of concrete beams to steel reinforcements with the "beton plaqué" method or in fabric for FRP (Fiber Reinforced Polymer);
- bonding of prefabricated concrete elements;
- support leveling subject to erosion;
- grouting of cracks.

CHARACTERISTICS AND ADVANTAGES

Plam Plaster Isoplam[®] has the following characteristics:

- it is easy to apply: the two components are pre-weighted to avoid weighing errors;
- it adheres perfectly to the most varied types of materials;
- applicable vertically and overhead up to 5 mm thick without dripping;
- it does not shrink when it hardens;
- it has a low electrical conductivity;
- it has a high chemical resistance (to diluted acids and bases), to smog and saline mist;
- it is solvent free and therefore improves the conditions of the operator who applies it.

HOW TO USE IT

Preparation of the substrate.

The surface to be treated must be clean, mature, dry (<4% humidity), free from dust and crumbly parts and free from oil and grease stains (sandblasting is recommended).

In the case of a surface made of metal, sandblasting is recommended to eliminate oils, paints and rust and the application of a suitable Isoplam[®] primer.

If it is used as an adhesive for repairing a cracked support, it is recommended to open the crack as much as possible with an abrasive disc.

Preparation of the product.

Pour component B into component A and mix slowly for 3 to 4 minutes with a mixer drill at low speed (be careful not to incorporate air), taking care to scrape the walls and bottom of the containers well.

In case of partial use of the package, the two components must be carefully dosed by weight (not by volume) in the mixture ratio indicated also on the label (100+50).

Any unused mixture must never be placed in closed containers but disposed according to regulations.

Application.

The mixed product can be applied with a steel or nylon Isoplam[®] trowel.

If used as an adhesive, take care to apply a suitable layer of product (approx. 3 mm) and press the parts to be adhered in order to release a little product from the sides. Hold the two elements in place until the product has completely hardened.

Tools must be cleaned as soon as possible with Isoplam[®] alcohol.

Note.

Plam Plaster Isoplam® cannot be applied if temperatures are below 10°C or above 35°C.

TECHNICAL FEATURES

DESCRIPTION	STANDARD	
Flexural strength	UNI EN 12190	>28 N/mm ²
Compressive strength	UNI EN 12190	>90 N/mm ²
Product density		2,2 g/cm ³
Elastic module	UNI EN 13412	>10700 N/mm ²
Adhesion on wet concrete		>2 N/mm ²
Adhesion on dry concrete		>4 N/mm ²
Shrinkage	UNI EN 12617-1	<0,1 mm/m
Glass transition temperature T_g		ca 58°C

TIMES OF USE AND HARDENING		
Temperature	Pot life	Hardening times
10°C	60 minutes	10 hours
20°C	40 minutes	5 hours
30°C	30 minutes	4 hours

Complete hardening occurs after 7 days.

CONSUMPTION

Consumption is about 2 kg/m² for each mm of thickness.

Indicatively, with a 1,5 kg pack, it is possible to anchor 3 PVC joints for ItalianTerrazzo.

PACKAGING, STORAGE AND SECURITY

Plam Plaster Isoplam® is available in packs of 1,5 Kg (A=1 Kg; B=0,5 Kg) and 6 Kg (A=4 Kg; B=2 Kg).

In original packaging, sealed and stored in a protected place, if kept in a closed environment at a temperature between 10°C and 30°C.

The expiry date is indicated on the package.

Consult the safety data sheet before use.

The products that make up Plam Plaster Isoplam® are intended for professional use only.

IMPORTANT:

All information contained herein is based on the best practical experiences and laboratory research. It is the customer's responsibility to determine whether the product is suitable for the intended application. The manufacturer declines all responsibility on the results due to incorrect application of its products. The product shall always be tested on a small area before application. This data sheet replaces all previous data sheets. ISOPLAM reserves the right to change the data on the data sheet at any time. We remind you that this product is intended for professional use only. ISOPLAM provides frequent and on demand trainings for its customers. The use of ISOPLAM products without receiving the proper certification will be at the customer's own risk.