PLAM PLASTER

Thixotropic epoxy adhesive paste

DESCRIPTION

Plam Plaster Isoplam® is a thixotropic adhesive in two-component, solvent-free paste, suitable for structural bonding and shaving on concrete.

FIELDS OF APPLICATION

Plam Plaster Isoplam® is used for various purposes:

- adhesive for bonding heterogeneous building materials;
- glueing of PVC or metal joints for Italianterrazzo or Terrazzoverlay Isoplam®;
- putty to repair cracks and holes on building materials such as concrete, fiber cement, wood, iron, natural stones...;
- levelling and plastering for abraded or eroded surfaces;
- fixing the nipples for injections with IPM Epoxy Kit Isoplam® for structural consolidation;
- bonding of prefabricated concrete elements;
- bonding of concrete beams to steel reinforcements with the “beton plaquè” method

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;
- easily applicable because thixotropic;
- applicable vertically and overhead up to 6 mm thick without dripping;
- it does not shrink when it hardens;
- it has a low electrical conductivity;
- it has a high mechanical resistance to compression and bending and reaches it within a few hours of application;
- it has a high chemical resistance (to diluted acids and bases);
- has excellent resistance to pollutants such as smog and salt fog;
- 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).

The surface to be treated must be clean, free of dust and brittle parts and free of oil and grease stains (sandblasting is recommended). In any case, it is recommended to roughen the support by sanding, vigorous brushing or bushing, taking care to vacuum the resulting dust.
If applied on cls, it must be mature and dry (moisture of the support 5%): wet or wet supports compromise adhesion.
In the case of a surface consisting of metal, sandblasting is recommended in order to get rid of oils, paints and rust and the use of specific adhesion primers.
In the presence of a cracked element, it is recommended to open the crack and clean it thoroughly before applying Plam Plaster.

ISOPLAM S.R.L.
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Certified company UNI EN ISO 9001:2015 *Rev. 27.04.2021*

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 must be applied with a steel or PVC trowel in thicknesses from 2 to 4 mm.
If used as screed: apply the product with a steel or PVC spatula in the required thickness and in any case max. 6 mm.
In the case of use as an adhesive: apply the product with a steel or PVC float between the elements to be glued, adhere the two parts by pressing them lightly together until a little product comes out of the edges and make sure they remain in place until completely hardened (about 6 hours at 20°C).

Tools should be cleaned as soon as possible with alcohol.

TECHNICAL FEATURES

DESCRIZIONE	
Mixture Color	Gray
Appearance of the mixture	paste
Mixture ratio A+B	100+50
Application temperature	Between 10 and 30°C
Flexing strength (UNI EN 12190)	30 N/mm²
Strenght under compression (UNI EN 12190)	95 N/mm²
Product density	2,2 g/cm³
Elasticity modolus (UNI EN 13412)	10800 N/mm²
Adhesion on wet CLS	>2 N/mm²
Adhesion on dry CLS	>4 N/mm²
Adesion on steel (UNI EN 12188)	50° Angle 89 N/mm² 60° Angle 91 N/mm² 70° Angle 114 N/mm²
Vitrification temperature T_g	ca 60°C
Linear shrinkage (UNI EN 12617-1)	<0,1 mm/m
Linear thermal expansion (UNI EN 1770)	6,1 x 10^{-5} 1/°C

TIMES OF USE AND HARDENING		
Temperature	*Pot life*	*Hardening times*
10°C	70 minutes	9.5 hours
20°C	50 minutes	5 hours
30°C	35 minutes	4 hours

CONSUMPTION

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Consumption is about 2,2 kg/m² for 1 mm of thickness.

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, the products remain unchanged for at least 18 months from the date shown on the packaging (the batch number indicates, in sequence, year/week/day), if kept in a closed environment with a temperature between 10°C and 30°C.
Consult the safety data sheet before use.
The products that make up Plam Plaster Isoplam® are intended for professional use only.

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