

PLAM JOINT REPAIR

Two-component epoxy primer for restorations and repairs

DESCRIPTION

Plam Joint Repair Isoplam® is an epoxy product, two-component and solvent-free, suitable as an adhesive and as a primer for subsequent applications of epoxy mortars (Deco Mortar Epoxy BI Tixo and Fluida) also on wet media.

APPLICATION FIELDS

Plam Joint Repair Isoplam® is employed for various types of use:

- adhesive for bonding heterogeneous materials (cls, steel, wood, iron, natural stones, glass...);
- primer for Deco Mortar Epoxy BI Tixo and Fluida Isoplam® and for Deco Mortar Epoxy TRI Tixo Maxi Isoplam®;
- primer for casting shots for coves;
- screed and sealant for walls in cls;
- glass fibre TNT (non-woven fabric) impregnant for use in tanks requiring high chemical resistance;
- impregnant for fibres and fabrics for structural reinforcement.

FEATURES AND ADVANTAGES

Plam Joint Repair Isoplam® has the following characteristics:

- easy to apply: the two components are pre-measured to avoid weighing errors;
- perfectly adheres to the most varied types of materials;
- also adheres to wet media;
- easily applicable because slightly thixotropic;
- does not shrink when hardened;
- has a low electrical conductivity;
- it has a high chemical resistance (to acids and bases) and resists well to many types of solvents;
- is solvent free and therefore improves the conditions of the operator who applies it.

APPLICATION

Preparation of the substrate

The surface to be treated must be clean, free of dust and brittle parts and free of oil and grease stains (sandblasting is recommended).

If applied on cls, this must be mature. It can be applied on damp but not wet cls.

In case of a surface consisting of metal, sandblasting is recommended in order to eliminate oils, paints and rust.

Product preparation

Pour component B into component A and mix slowly for 3-4 minutes with a low-speed mixing drill (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 also indicated on the label (100/44). Any unused mixture should never be placed in closed containers but disposed of according to regulations.

Application.

The mixed product can be applied by roller, brush or spray.

Once applied, dust quartz 0.3/0.8 mm Isoplam® and apply the next fresh coating on fresh (within one hour) to avoid detachment.

The tools must be cleaned as soon as possible with a special Isoplam® Epoxy Thinner.

Note.

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

TECHNICAL FEATURES

DESCRIPTION	
Flexing resistance	>23 N/mm ²
Compression resistance	68 N/mm ²
Product density	1,2 kg/dm ³
Modulus of elasticity	>4900 N/mm ²
Adhesion on damp CLS	>2,7 N/mm ²
Adhesion on dry CLS	>4,4 N/mm ²
Adhesion on steel	>3 N/mm ²
Vitrification temperature T_g	about 52°C

USE AND CURING TIMES		
Temperature	Pot life	Cure time
10°C	160 minutes	10 hours
20°C	70 minutes	4 hours
30°C	30 minutes	2 hours

CONSUMPTION

When used as a primer, consumption varies from 0.25 to 0.7 kg/sqm depending on the porosity of the bottom.

When used as a impregnant for tnt or fibres, consumption varies from 0.8 to 1.5 Kg/sqm.

PACKAGING, STORAGE AND SAFETY

Plam Joint Repair Isoplam[®] is available in 4.32 Kg packs (A=3 Kg; B=1.32 Kg).

In original packaging, sealed and stored in a protected place, the products remain unchanged for one year 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.

Product expiry date shown on the packaging, last six digits of the batch number, month and year. The products that make up Plam Joint Repair Isoplam[®] are intended for professional use only.

IMPORTANT:

All information contained in this sheet is based on best practice and laboratory experience. It is the responsibility of the customer to verify that the product is suitable for the intended use. The manufacturer declines all responsibility for the results of incorrect applications. It is advisable to always carry out tests on small surfaces before application. This sheet replaces and cancels the previous ones. The data can be changed at any time. Please also note that Isoplam products are intended for professional use and that Isoplam provides periodic training to its customers who request it. Anyone who uses these products without being enabled does so at their own risk.