

TERRAZZOVERLAY

Polished Microterrazzo

DESCRIPTION

Terrazzooverlay Isoplam® is a low thickness coating, from 4 mm to 8 mm, smooth and polishable, to be applied over existing or new old flooring.

The system consists of a mixture made of:

- Terrazzo Bond: water based polymer binder;
- Terrazzo Mix: cement-based white cement powder, superplasticizers and special additives;
- Marble: fine Italian marble grit.

The result is a sophisticated and modern but at the same time resistant flooring that allows you to create a new floor above an existing one.

FIELDS OF USE

Terrazzooverlay Isoplam® is ideal for creating new flooring in environments such as:

- housing;
- shops;
- showrooms;
- sites of historical and cultural interest (museums, meeting areas)
- offices;
- restaurants;
- hotels.

ADVANTAGES

Il sistema Terrazzooverlay Isoplam® allows to have surfaces:

- of high aesthetic impact;
- unique, as it allows to have different colorings and customizable Marble mix;
- without leaks (only the carryover of any cuts and joints present on the existing support is envisaged);
- smooth and polished for inside or rough non-slip for the outside;
- hygienic, as without leaks;
- very resistant to both traffic and environmental conditions and UV rays;
- eco-friendly, as the system consists of water-based and natural grit products;
- low thickness (from 5 to 8 mm).

PREPARATION OF THE SUPPORT

- On existing and mature concrete or sand-cement screeds, smooth and, if necessary, shot peening.
- On new substrates in concrete or sand-cement, take care to leave the surface porous in order to allow a better grip. Allow the surface to mature at least 28 days before proceeding with the application.
- On existing ceramic surfaces (tiles), smooth and grout the joints.
- Repair parts that are damaged and deteriorated by using Ipm Epoxy Kit Isoplam®. Any cracks, shallow holes and joints must be previously filled. Remove all traces of dirt, oil, grease, paint, etc.
- In the presence of rising damp, apply Vapor Barrier Isoplam®, a tricomponent epoxy (in which to drown the Isoplam® Fiberglass Mesh).

In all the cases mentioned above, then apply one or two coats of Skyprimer Isoplam® two-component epoxy to be dusted with Isoplam® quartz (as per the technical data sheet).

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Azienda certificata UNI EN ISO 9001:2015

Any joints already present on the support must then be returned to the Isoplam® Terrazzooverlay surface, providing for the prior application of sanding joints.

MIXTURE AND CONSUMPTION

- The components of the Isoplam® Terrazzooverlay system must be dosed according to the following indicative basic formulation:

1 part of Terrazzo Bond namely 1/3 20 Kg-bucket of Terrazzo Bond namely Ca. 6,50 Kg.
3 parts of Terrazzo Mix namely 1 19 kg-bucket of Terrazzo Mix
4 parts of Marble namely 1 25 kg-sack of marble

The indicative consumption per square meter for a mixture made using the basic formulation are:

	Thickness 1 mm	Thickness 5 mm	Thickness 6 mm	Thickness 8 mm
<i>Terrazzo Bond</i>	0,27 Kg/sqm	1,35 Kg/sqm	1,62 Kg/sqm	2,16 Kg/sqm
<i>Terrazzo Mix</i>	0,81 Kg/sqm	4,05 Kg/sqm	4,86 Kg/sqm	6,48 Kg/sqm
<i>Marble</i>	1,08 Kg/sqm	5,40 Kg/sqm	6,48 Kg/sqm	8,64 Kg/sqm
<i>Tot. mixture</i>	<i>2,16 Kg/sqm</i>	<i>10,80 Kg/sqm</i>	<i>12,96 Kg/sqm</i>	<i>17,28 Kg/sqm</i>

It should be noted that consumption (especially for the Terrazzo Bond) can vary depending on the degree of absorption of the support, the desired finish and the degree of humidity of the Marble.

- The components of the Isoplam® Terrazzooverlay system must be mixed in a mixer according to the following instructions (a total of approx. 50 kg is obtained):

- pour 4 Kg of Terrazzo Bond (carefully mixed a few minutes before use and possibly colored) in the mixer;
- add 1 25 kg-sack of marble by mixing;
- add slowly mixing 1 19 Kg-jar of Terrazzo Mix;
- add an additional 2.20-2.50 kg of Terrazzo Bond (depending on the degree of humidity of the Marble);
- continue stirring for a couple of minutes until the mixture is homogeneous.

APPLICATION

Operating temperatures should be between + 5 ° C and + 30 ° C. Do not use in extreme temperatures or in strong wind conditions.

Apply the mixture of the 3 components of Terrazzooverlay Isoplam® within a maximum of 10 minutes (at an average temperature of 18 ° C) with an Isoplam® adjustable screed and squeegee.

After about ten minutes enter the surface wearing Shoe Pro In Spiked, spiked shoes, and smooth the surface with an Isoplam® steel trowel, keeping E-Red to hand to spray on the surface if necessary to avoid excessive evaporation processing.

Spread the roller for stencil over the entire surface to have a homogeneous surface and evenly spray Terrazzo Bond over the entire surface.

When the surface is no longer sticky (a few hours), apply a light nylon cloth to allow correct curing and avoid the formation of cracks.

The surface can be walked on after a couple of days.

POLISHING

After 4-6 days (depending on the temperature) it is possible to smooth the surface.

The degree of sanding varies according to the desired finish (raw or smooth).

Any small holes will be grouted with Terrazzo Bond and Terrazzo Mix mixed together.

Once the grout is dry, the surface can be polished if necessary.

PROTECTIVE TREATMENTS AND MAINTENANCE

After smoothing and eventually polishing, a protective treatment is applied to the Isoplam® Terrazzooverlay surface that varies according to the intended use of the flooring and based on the degree

of porosity of the surface. It is recommended to contact the Isoplam Technical Office to define the most suitable protective treatment.

Isoplam® Terrazzooverlay floors are to be considered decorative surfaces and as such must be treated and maintained. Cleaning with Wow Isoplam® (neutral detergent) and in any case never with aggressive products is recommended. Periodically (every 4-8 months depending on the exploitation of the floor) it is recommended to apply a thin layer of Plam Poly Wax (opaque polyurethane wax) or Metallic Wax (shiny effect metallic wax).

COLORING

Isoplam® Mix Terrace is supplied natural white.

However, it is possible to color Terrazzo Bond with Plam Color Isoplam® before mixing with the other components of the system. Take care to mix colored Terrazzo Bond immediately before each use in order to avoid different concentrations of dye. Plam Color is available in 25 colors (see color chart).

Recommended dosage: 100 gr of Plam Color on 1 Kg of Terrazzo Bond.

Marble colors: Carrara White, Botticino, Sky Gray, Ebony Black.

PACKAGING

I componenti del sistema Terrazzooverlay Isoplam® sono disponibili nelle seguenti confezioni:

- Terrazzo Bond: bucket Kg. 20;
- Terrazzo Mix: bucket Kg. 19;
- Marmo: sack Kg. 25;
- Plam Color: packaging 0,75 Lt.

STORAGE AND SAFETY

If properly stored (in a cool place at a temperature between +5 and +30 ° C), the products that make up the Isoplam® Terrazzooverlay system have a shelf life of at least 12 months from the date shown on the package (the lot number indicates, in sequence, year / week / day).

The products that make up the Isoplam® Terrazzooverlay system are intended for professional use only. It is recommended to read and keep the safety data sheets of the individual system components.

Individual jobs must be performed with a single production lot. Otherwise "Isoplam SRL" is not liable for any differences in color.

IMPORTANT: All the information contained in this sheet is based on the best practical and laboratory experiences. It is the customer's responsibility 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. Data can be changed at any time. It is also recalled that Isoplam products are intended for professional use and that Isoplam provides periodic training for its customers who request it. Anyone who uses these products without being enabled, does so at their own risk.