

SKYGRIP™

Low thickness “cloudy” for exterior

DESCRIPTION

Skygrip™ Isoplam® is a system composed of Skybond Isoplam®, a concentrated water-based polymeric binder, formulated to be mixed with Plam Hardening Isoplam® to obtain continuous decorative smoothing on existing external substrates.

With only a 2-3 mm thickness, it allows to renew deteriorated floors, transforming them into unique surfaces with a high aesthetic impact and antislip at the same time.

FIELDS OF USE

Skygrip™ Isoplam® surfaces are suitable for renovating:

- outdoor flooring for civil and commercial uses (driveways, patios, swimming pools, parks and holiday villages, parking lots, sidewalks...);
- tiled, sand-cement and marble flooring;
- cls concrete flooring.

ADVANTAGES

Le superfici in Skygrip™ Isoplam®:

- have a material finish and are anti-slip;
- are solutions with low environmental impact and the products that compose them are formaldehyde-free;
- they are recommended for situations where there are limits in thickness and weight;
- allow to create continuous surfaces (the joints, if any, must however be respected)
- they are customizable, given the various colors available and the finishes that can be obtained;
- have excellent abrasion and impact resistance;
- they have excellent resistance to cracking;
- have good water resistance.

TECHNICAL FEATURES

The Skygrip™ Isoplam® system complies with UNI EN 13813:2004.

<i>Performance characteristic</i>	<i>Test method</i>	<i>Product performance</i>
Mechanical resistance to compression	UNI EN 13892-2:2005	C60
Mechanical resistance to bending	UNI EN 13892-2:2005	F7
Mechanical resistance to wear	UNI EN 13892-4:2005	AR0,5
Dynamic impact resistance (rapid deformation)	UNI EN ISO 6272-1:2013	iR 27,2 N·m Intact sample after impact
Adhesion strength	UNI EN 13892-8:2004	B1,5

Permeability to water vapor (diffusion resistance coefficient μ) - with UR 50% at 23 ° C - with UR 93% at 23 ° C	UNI EN ISO 12086:2013	216±21 116±12
Reaction to fire	UNI EN 13501-1:2009	A2 _{FL} - s ₁
Thermal conductivity λ	UNI EN 12664:2002	1,35 [W/(m · K)]
VOC emission	UNI EN ISO 16000-9:2006	A+
Sound insulation	-	NPD
Sound absorption	-	NPD
Slip resistance	DIN 51130:2014	R13
Resistance to severe chemical attack		
Pool water: changes at the end of the exposure(24 hours)	UNI EN 14617-10	No color variation
Sodium hydroxide in solution after 8 hours	UNI EN 14617-10	C4
Hydrochloric acid in solution after 8 hours	UNI EN 14617-10	C4
Red Wine: changes at the end of exposure(24 hours)	UNI EN 14617-10	No color variation
Vinegar: changes at the end of exposure (24 hours)	UNI EN 14617-10	Darker color
Lemon: changes at the end of exposure (24 hours)	UNI EN 14617-10	No color variation
Fruit juice: changes at the end of exposure (24 hours)	UNI EN 14617-10	No color variation
Acetone: changes at the end of exposure (24 hours)	UNI EN 14617-10	Removal of the coating
Tomato sauce: changes at the end of exposure(24 hours)	UNI EN 14617-10	No color variation
Olive oil: changes at the end of exposure(24 hours)	UNI EN 14617-10	No color variation
Floor cleaner: changes at the end of exposure (24 hours)	UNI EN 14617-10	No color variation
Coffee: changes at the end of exposure(24 hours)	UNI EN 14617-10	No color variation
Black ink: changes at the end of exposure(24 hours))	UNI EN 14617-10	Darker color
Coke : changes at the end of exposure (24 hours)	UNI EN 14617-10	No color variation
Ammonia in aqueous solution 25% V / V:: changes at the end of exposure (24 hours)	UNI EN 14617-10	No color variation
Ketchup: changes at the end of exposure (24 hours)	UNI EN 14617-10	No color variation

SUBSTRATE PREPARATION

- a) On concrete screeds or concrete sand already existing and mature, sand and, if necessary, shot peening
- b) On new concrete or concrete sand supports, apply nylon as a vapor barrier below the jet and take care to leave the surface raw and porous in order to allow a better grip of the primer. Allow the surface to mature at least 28 days before proceeding with the application.
- c) On existing ceramic surfaces (tiles), sand and grout the joints.
- d) On surfaces with rising humidity, apply two coats of Isoplam® Vapor Barrier with interposed fiberglass mesh.
- e) Repair parts that should be damaged and deteriorated by using Ipm Epoxy Kit Isoplam®. Any cracks, holes, shallow concavities, any splinters and joints must be previously filled. Remove all residues of dirt, oil, grease, paint, etc.

In all the above cases, apply then the two-component epoxy Skyprimer Isoplam® to be dusted with Isoplam® quartz (washed and dried in grain size 0,6-1,2).

APPLICATION

The temperatures of use must be between 10°C and 30°C. Do not use in extreme temperatures or high wind conditions.

Skybond Isoplam® must be kept in a cool place. It is important to mix the product thoroughly a few minutes before use. The Pot Life of the Skybond + Plam Hardening blend is approximately 30 minutes at 20°C.

Applicazione della prima mano.

Indicative dosage: 6 Lt of Skybond (possibly, depending on the temperature, previously diluted with 1 Lt of water) + 25 Kg of Plam Hardening = yield about 17 sq. m.

Mix thoroughly Skybond if necessary diluted and then slowly add Plam Hardening, mixing for a couple of minutes to get rid of lumps.

Within 30 minutes (at an average temperature of about 20°C) apply the mixture by evenly smoothing it on the surface with Isoplam® Steel Whip or Flexible Steel Whip until a maximum thickness of 1.5 mm is obtained. To even out the surface it is possible to subsequently smooth it with Isoplam® Squeegee.

Applicazione della seconda mano.

After 15-30 minutes, depending on the ambient temperatures and in any case before the first coat is completely dry, apply the second coat.

Indicative dosage: 6 Lt of Skybond (possibly, depending on the temperature, previously diluted with 1 Lt of water)+25 Kg of Plam Hardening = yield about 17 sq. m.

Thoroughly mix any diluted Skybond and then slowly add Plam Hardening, mixing for a couple of minutes to remove lumps.

Take care to walk on the surface with studded shoes. Spread the mixture evenly with Isoplam® trowel or Isoplam® Squeegee for a more even appearance.

When it is possible to walk on the floor without marking it, work the surface with a trowel machine with disc or roughing floats mounted in order to obtain a non-slip material effect. Parts close to vertical constraints must be worked manually with a steel float.

All equipment must be kept constantly clean with water.

The next day, proceed with sanding with a single disc machine with an abrasive disc with a 120 grit. Proceed with any eventual cutting of the joints, if already present on the support or if deemed necessary in order to avoid the formation of cracks.

Notes: The finish obtained will present a slight cloudiness due to the stripping. Parts close to walls or vertical constraints of any nature, given the different processing, will have a slightly different degree of finish than the rest of the surface. Signs of mechanical scraping or chipping are characteristic of Skygrip™ surfaces. More or less opaque areas depend on the different degree of surface processing and must be understood and accepted. The diversity of processing can create, due to the different refraction of light on the surface, a perception of different coloration, slightly cloudy, which is valuable.

RESIN COATING & MAINTENANCE

It is recommended to apply a protective cycle: after at least 7 days apply a coat of Idrorep/S; after drying, apply a coat of Plam Sealing/O.

It is recommended to always contact the Isoplam® Technical Department to choose the most suitable product.

Cleaning of the flooring cannot be carried out with aggressive products. Isoplam Srl provides specific products for the maintenance and cleaning of its systems. Dirt stains (especially oily and dyes) should be removed as soon as possible to prevent them from being absorbed by the floor. Depending on the use of the flooring, it is possible to reapply, after some time, another protective coat.

It is recommended not to place carpets or other objects that we have contained in rubber on the surface, for example doormats, rubber mats of all kinds (including colored ones such as puzzles for children): this material releases oils over time that stain the floor.

It is recommended that you follow the instructions in the maintenance booklet available on the website: www.isoplam.it

RIPENING

The surface made of Skygrip™ Isoplam® can be walked on at least after 24 hours.

Being a cement-based product, the package made of Skygrip™ requires a curing time of about 28 days: therefore, be very careful, during this period, not to subject the surface to significant stresses that could ruin it.

CONSUMPTION

First coat:

Skybond: ca 0,35 L/m² (to be diluted with a little clean water if necessary)

Plam Hardening: about 1,45 Kg/sqm

Second coat:

Skybond: ca 0,35 L/m² (to be diluted with a little clean water if necessary)

Plam Hardening: about 1,45 Kg/sqm

COLORS

The color is determined by Plam Hardening which is available in the colors available in the Isoplam® Color Chart.

Note: Individual jobs must be performed with a single production batch. Otherwise Isoplam Srl is not liable for any discrepancies in color.

PACKAGING

Skybond is available in 18 Lt plastic pots.

Plam Hardening is available in 25 Kg plastic pots.



STORAGE, EXPIRY, WARRANTY AND SAFETY

Store in a cool and safe place at temperatures between 10 ° C and 30 ° C.
Keep containers tightly sealed.

The shelf life of Skybond and Plam Hardening is 12 months, protected from moisture and in the original sealed packaging.

The packaging date is shown on the package (the lot number indicates, in sequence, year/week/day). Consult the Safety Data Sheet of the products before use.

IMPORTANT:

The products of the Skygrip® Isoplam® System are intended for the use as indicated above. Adding any other product will impair the final result.

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 full scale application. This data sheet replaces all previous data sheets. ISOPLAM reserves the right to change the data on the data sheet at any time. Skygrip® Isoplam® 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.