

PAVILUX SABLEE

Fibro-reinforced hadener for sanded low-thickness pavements

DESCRIPTION

Pavilux Sablée Isoplam® is a fibre-reinforced, shrink-resistant, coloured, anti-efflorescence and additive cementitious mixture, specially formulated for the production of floor coverings in thicknesses from 1 to 2.5 cm and in various colours.

The system calls for the following cycle:

- application of the cement primer Cement Primer or the two-component epoxy primer Skyprimer;
- application of natural grey Pavilux Overlay mixed with water and Deco Bind;
- application of Plam Hardening colored armor (for quantities exceeding 1500 kg, direct coloring of the Pavilux Overlay is possible);
- surface curing;
- sanding (brushing for the outside) and possible polishing (for the inside);
- application of suitable protective material.

ADVANTAGES

Pavilux Sablée Isoplam®:

- is easy to use and has excellent workability;
- is used for both indoors (smooth) and outdoors (brushed);
- allows you to create minimum thicknesses of 1 cm;
- it can be used on both new and existing concrete supports;
- combined with Skyprimer it can also be applied to tiles;
- the low quantity of water required by its mixture allows for excellent performance in terms of pavement durability;
- has excellent compressive, abrasion and fire resistance.

FIELDS OF USE

Pavilux Sablée Isoplam® is widely used in the public, commercial and civil fields for decorative flooring of high aesthetic value for museums, schools, shops, shopping centres, homes...

"FRESH ON FRESH"

Prepare the substrate and cls according to UNI 11146 and UNI EN 206 regulations.

Take care to level the concrete leaving the thickness established for the subsequent application of the Pavilux Sablée Isoplam® mix.

Rough the cls with a special power trowel machine. Get rid of any waterlogging.

Prepare the Pavilux Sablée Isoplam® mixture by mixing a bag of Pavilux Overlay cemento homogeneously for at least 3-4 minutes with approximately 1.5 Lt of Deco Bind previously mixed with 3.5 Lt of water. Roll out and level the Pavilux Sablée Isoplam® mixture to the established thickness using Isoplams® Gauge rake. Keep the thickness of the mixture constant to avoid cracking from different drying times. Apply Plam Hardening in the chosen color and incorporate it into the surface using a mechanical power trowel machine; proceed to smoothing with a mechanical power trowel machine.

Cut the joints as soon as possible to prevent cracking due to plastic shrinkage.

After about a month, arrange to sand and polish the surface.

“FRESH ON HARD”

Surface preparation.

- a) CLS Surface.
The cls surface must comply with UNI 11146 and UNI EN 206 regulations and must be clean, intact and free from contamination (oils, fats, resins, waxes...) and be roughened and made porous by milling, shot peening or high pressure washing in order to obtain good adhesion. It is necessary to wet the surface thoroughly the day before rolling out the Pavilux Sablée Isoplam® mixture, taking care to remove any water stagnation that would compromise the attachment of the Cement Primer Isoplam®.
- b) Tiles surface.
Proceed to plaster and sand the tile surface. Vacuum up the powders and clean. Apply Skyprimer Isoplam® in 1 or 2 hands as per product datasheet.

Primer preparation.

- a) Cement primer (advised for all cementitious surfaces).
To a 20 kg pot of Cement Primer add 4.5 to 5.5 liters of water and mix for about 3 minutes with a low speed mixer until a homogeneous consistency is reached. Apply the product thus obtained to the wet surface by means of Isoplam® hard-bristled broom until it reaches a thickness of 1-2 mm. Then immediately apply “fresh on fresh” the Pavilux Sablée Isoplam® mixture. If Cement Primer dries too quickly, you need to apply another coat of product. Incorrect use of the primer may result in detachment of the Pavilux Sablée Isoplam®.
- b) Skyprimer (advised for difficult surfaces and tiles).
Skyprimer Isoplam® is supplied in two pre-dosed components that must be joined at the time of use. Add comp. B to comp. A and mix well with a low-speed mixer until you obtain a smooth mixture without incorporating air and taking care to scrape the bottom and walls of the container well. Add 15% selected quartz in 0.3-0.8 grit and mix thoroughly. The mixture should be applied in a thin layer on the support using Isoplam® Trowel and then dusted with Isoplam® Spheroidal Quartz in 0.6-1.2 grit. Avoid excess product: the mixture should not incorporate the quartz (for this purpose it is recommended to pass a dry short pile roller to even out any excess before dusting the quartz). The following day, carefully remove the excess quartz and apply the fresh Pavilux Sablée mixture fresh on hard.

Laying of Pavilux Sablée Isoplam® mixture.

Prepare the Pavilux Sablée Isoplam® mixture beforehand by mixing a bag of Pavilux Overlay Cemento homogeneously for at least 3-4 minutes with approximately 1.5 Lt of Deco Bind previously mixed with approximately 3.5 Lt of water. Roll out and lay out the Pavilux Sablée Isoplam® mixture to the established thickness. Keep the thickness of the mixture constant to avoid cracking from different drying times. . Apply Plam Hardening in the chosen color and incorporate it into the surface using a mechanical power trowel machine; proceed to smoothing with a mechanical power trowel machine. Existing joints must be respected and therefore must also be returned to the new “glued” flooring. The joints must be cut as soon as possible to avoid cracking due to shrinkage. As an alternative to cutting, it is possible to pre-place sandable Isoplam profiles which will constitute the joint. After about a month, arrange to sand and possibly polish the surface.

RIPENING AND PRECAUTIONS

Pavilux Sablée Isoplam® flooring, especially those made using the technique “fresh on hard”, require careful curing, which must be done slowly and uniformly over the entire surface to avoid cracking due to different drying times. It is highly recommended to lay a non-woven fabric (moisten it with water for the first 48-72 hours) and a nylon sheet over the non-woven fabric. In order to avoid cracking, it is also important to pay attention to the temperatures of use which must be between 5°C and 28°C and to the climatic conditions during the day the mixture is rolled out (for example, windy days can dry the surface too quickly).

DOSAGE

Cement Primer consumption is approx. 2 Kg/m².

The indicative consumption of Pavilux Sablée Isoplam® ranges from 17 kg/m² to 22 kg/m² for each centimetre of thickness (do not exceed a thickness of 2.5 cm).

The consumption of Deco Bind is approximately 1.20 Lt/m² for each centimeter of thickness.

TECHNICAL FEATURES

The product Pavilux Sablée Isoplam® complies with UNI EN 13813:2004.

<i>Performance feature</i>	<i>Test method</i>	<i>Product performance</i>
Reaction to fire	-	A1
Release of corrosive substances	-	NPD
Water permeability	-	NPD
Water vapor permeability	-	NPD
Mechanical compressive strength	UNI EN 13892-2:2005	> di 45 N/mm ² a 3 gg > di 70 N/mm ² a 28 gg
Mechanical resistance to bending	UNI EN 13892-2:2005	> 8 N/mm ² a 3 gg > 10 N/mm ² a 28 gg
Mechanical wear resistance	UNI EN 13892-4:2005	AR2
Abrasion resistance	Amsler, sliding friction over a 1000 m path	2,1 mm
Sound insulation	-	NPD
Sound absorption	-	NPD
Thermal resistance	ASTM E1530-11	1,2 [W/(m · K)]
Chemical resistance	-	NPD
VOC Emission	UNI EN ISO 16000-9:2006	A+
Bond strength (fresh on fresh)	UNI EN 13892-8:2004	2,79 N/mm ²
SRI (Solar Reflectance Index)	ASTM E1980-11(2019)	>49 test performed on light gray coloring

COLORS

- For quantities over 1500 kg, you can choose from the Pavilux Overlay colours available to order in the colour chart.

- For quantities under 1500 kg, the available colors are those of the Plam Hardening color chart.

PACKAGING, STORAGE AND SAFETY

Cement primer is supplied in 20 kg pots; Skyprimer a+b is in 23 kg packs; Pavilux Overlay Isoplam® is supplied in 25 kg bags, Deco Bind is supplied in 20 Lt pots, Plam Hardening is supplied in 25 kg pots. Always consult the product safety data sheet before use.

IMPORTANT

PAVILUX SABLEE is formulated to be used as in the above application. The addition of any other product compromises the final surface result.

All information in this sheet is based on best practical and laboratory experience. E' customer responsibility to verify that the product is suitable for the intended use. The manufacturer disclaims any responsibility for the results of incorrect



applications. It is recommended to always test on small surfaces before application. The data can be varied at any time. This tab replaces and cancels the previous ones.
PAVILUX SABLEE is intended for professional use. Isoplam Srl periodically organizes courses for its clients who request them. Anyone who uses these products without being enabled to do so at their own risk.