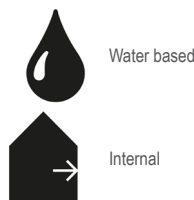


0887 EPOX PAVIMENTI IDRO

MULTI-SURFACE WATER-THINNABLE EPOXY ENAMEL



Brush

Roller

Advantages

- For floors, walls and metal
- Water-soluble
- Good pedestrian and light vehicle traffic
- Suitable for painting environments where food is present

Description and Use

Two-component epoxy enamel featuring good chemical resistance and excellent adhesion to structurally sound concrete; it forms a barrier waterproof and oil-proof film.

It was specifically developed to make industrial concrete floors resistant to stains and dust-free, as in garages or warehouses where a good surface is required for pedestrian and light vehicle traffic (forklifts with rubber wheels).

EPOX PAVIMENTI IDRO can be applied, after proper preparation of the support, even on masonry and plasterboard as a finishing for fine quality interiors, or on metal substrates prepared with a suitable anticorrosive primer.

The product is also suitable for outdoor applications, if over-coated with PAVIPIU' finishing code 1943. Suitable for painting environments where food is present, according to UNI 11021:2002 standard concerning the HACCP methodology.

Its good adhesion to ceramic substrates allows it to be applied to tiles, but only if intended for wall use and only by strictly following the substrate preparation procedure.

The product can be washed with chloroactive detergent, alkaline degreaser and disinfectant based on benzalkonium chloride without alteration. Washing with acid descalers involves a change in final gloss.

The product can be coloured using ADVANCE HT tinting system.

Substrate preparation

- CONCRETE SURFACES:

Test carefully the surface to be sure that it is a proper base and structurally healthy.

In the case of new smooth or power floated floors, carry out the treatment after a curing time of at least 4 weeks.

Before the application check the wettability which can be damaged by the presence of water-repellent substances such as oil, silicon, wax or heavy hydrocarbons sometimes used for the polishing. In this case, surface must be made slightly rough by shot blasting or sand blasting or scarifying; then wash with an acid detergent, followed by rinse using hot pressured water and remove water with scrubber-dryer equipment.

Make sure the substrate is perfectly dry and there is no rising damp; apply a first layer of EPOX PAVIMENTI IDRO already suitably catalysed, diluted with 5-10% of water, followed by a second one reduced at 5% maximum, waiting for 24-36 hours between them, up to reach the requested thickness.

When the concrete is soiled by oil, adhesives or old flaking paints, rust, efflorescence, mould and other foreign materials, make a shot blasting, remove dust and apply EPOX PAVIMENTI IDRO as above described.

To ensure higher resistance protect with PAVIPIU' code 1943.

Substrate preparation

- TILED WALLS:

Degrease with a suitable detergent or use an abrasion cycle on glossy or glazed tiles. Do not apply to surfaces subject to rising damp or permanent or intermittent contact with water (e.g., shower trays or enclosures, bathtubs, flooring).

Application

Application method:

- roller
- brush

Product preparation:

Stir thoroughly the Part "A" to achieve even colour and consistency.

Then mix with the component B in the ratio indicated below until a homogeneous product is obtained.

	By weight
PRODUCT 0887 EPOX PAVIMENTI IDRO	100
HARDENER 4725 INDURITORE PER EPOX PAVIMENTI	20
THINNER ADD WATER ONLY AFTER MIXING COMPONENTS A AND B	5-10% water

Recoating:

After 24-36 hours with the same product or PAVIPIÙ code 1943

Storage life

PROTECT FROM FROST. Store the packaged product at a temperature between +5°C and +35°C.

If stored in a cool, dry place, away from sources of heat and sheltered from sunlight, in its sealed original packaging, the product has a shelf life in months specified in the table of products with expiry date. Check the product's shelf life by referring to the production batch number shown on the packaging. The batch number is made of eight numeric characters in which the first four digits identify the year and month of production. Once the product has expired, it must be disposed of in accordance with current legislation.

Table of products with expiry date		
Product name	Code	Expiry date in months
EPOX PAVIMENTI IDRO	0887	9
INDURITORE PER EPOX PAVIMENTI	4725	24

Technical features

Colour	see price list
Type of product	2K with INDURITORE PER EPOX PAVIMENTI code 4725
Specific weight **	1.32-1.51 kg/l
Gloss	semi-matt (Gardner 60°)
Viscosity	4500-7000 mPa.s Brookfield rpm 20 s 4
Recommended thicknesses	00 microns dry film, by two coats
Practical cover rate *	3-4 m ² /kg per two coats
Air drying (20°C - 65% RH)	12-16 hours, touch dry
	24-36 hours, through drying
Maximum chemical resistance	after 10 days
Allowing foot traffic	after 3 days
EU limit values for VOC content (Directive 2004/42/EC)	Category A/j, WB: VOC max 140 g/l product VOC < 140 g/l
AFNOR NF T 36-005 classification	Family I - Category 6b
* The cover rate is calculated on the suggested thickness and applied on plane and regular surfaces.	
** May change according to the colour.	
The data are measured at a temperature of 20° C	

Classification according to UNI 11021:2002

Dirt pick-up (UNI 10792)	$\Delta L \leq 3.0$
Release of odour (Annex A)	≤ 1
Wet-scrub resistance (UNI EN ISO 11998)	Ldft $\leq 5,0$ micron
Washability (Annex B)	$\Delta E \leq 3.0$
Resistance to cleaning chemicals (detergent A,B,C UNI EN ISO 2812-1) :	no alteration after 24h
Resistance to disinfectant (detergent D UNI EN ISO 2812-1)	no alteration after 24h

Determination of slippage resistance in accordance with Italian ministerial decree 236 of 14/06/1989 (B.C.R.A. method)		Note
Average dynamic friction coefficient (leather on dry surface)	0.62	Non-slip flooring means a floor whose R coefficient is greater than 0.40.
Average dynamic coefficient of friction (Rubber on dry surface)	0.50	
Average dynamic friction coefficient (rubber on wet surface)	0.65	

Warnings

It is important to carry out the catalysis in the exact curing ratio. When it is necessary to divide the packaging, use a precision scale to catalyse correctly as the fixed ratio. It is important to carry out the catalysis in the exact curing ratio.

It is recommended to wait for 10 minutes after catalysis, and to homogenise carefully with a propeller drill before the product application.

Do not use EPOX PAVIMENTI IDRO after 80 ÷ 90 minutes from the mixture preparation, otherwise the mechanical features will result damaged and there could be cracks, detachments and stains with different colour shades.

The application of the product at high temperatures accelerates catalysis and consequently reduces pot-life; this can partially compromise the final aesthetic effect.

Mix the product during the application.

Do not apply when surface temperature is below + 10°C (50°F) and RH exceeds 5% (carbide test).

Do not use when environment temperature is below + 12°C (54°F) or above 30°C (86°F), and RH >75%.

The application of such products must be subjected to a careful evaluation of the surface quality by our Technical Assistance Service (relative humidity, substrate absorption and the working typology for which the premises is used).

- Product for professional use.
- Always read the safety datasheet before use.
- Tool wash water and any product residues must not be released into the environment or discharged into the domestic sewage system. The recipient/product/wash water must be disposed of in accordance with national laws.
- Wear protective gloves and garments, and in the event of contact with the skin wash with plenty of water and soap.
- During use, ventilate the room well and use water to clean tools.
- It is recommended to acquire all the material required to finish the work of the same batch.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the raw materials available on the market and the tinting of the product can lead to slight deviations in the declared values, in the colour and in the aesthetic effects obtained. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different batch numbers of the same material are used in the same work/site.

The above mentioned data are meant to facilitate our customers in the use of our products. IMPA is not responsible for applications of products carried out beyond its direct control. For further technical information about specific systems and/or special applications, please contact our TECHNICAL SERVICE at assistenza.technica@impa.it.