

EPOX PAVIMENTI IDRO

Water-thinnable epoxy enamel for floors

0887.

28/07/17 LRB/ib



Description and use

Two-pack epoxy enamel featuring excellent adhesion to structurally sound cement and good chemical resistance; it forms a film barrier against water and oil.

It was specifically developed to make industrial concrete floors stain resistant 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 of the finest quality. The product is also suitable for outdoor applications, if overpainted with PAVIPIU' finish code 1943.

The product can be coloured using ADVANCE HT tinting system.

Technical data

Colour	: see catalogue
Type of product	: 2K with HARDENER for EPOX code 4725
Pot-life	: 90 <i>minutes</i> . At higher temperatures pot-life decreases to a considerable degree.
Dry film appearance	: semi-brilliant - 50 ÷ 60 <i>gloss</i> (Gardner 60°)
Viscosity	: 5000 ÷ 7000 <i>mPa.s</i> Brookfield RVT rpm 20 s 4
Practical cover rate	: 3 ÷ 4 <i>m²/kg</i> per two coats.
Storage life	: 6 months in original sealed container, in a cool and dry place, away from heat sources.

NB: Data recorded @ 20°C (68°F) and 65% RH.

The product is compliant with Directive **2004/42/CE-IIA(j)** maximum VOC limit value: 140 *g/l* (2010)

Application note

Substrate preparation	: 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 castings. 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 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.
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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 the application of PAVIPIÙ finishing, code 1943.

- Product preparation : Stir thoroughly the part "A" to achieve even colour and consistency, then mix with the part "B" in the following ratio:
- by weight
- | | |
|--------------------------------------|-----------|
| Part "A": 0887 EPOX PAVIMENTI IDRO | 100 parts |
| Part "B": 4725 HARD. for EPOX PAVIM. | 20 parts |
- Application method : - roller - brush
- Reduction : 5 ÷ 10% water
- Suggested thickness : Recommended two coats, approximately 100 *microns* dry film.
- Air drying @ 20°C and 65% RH :
- | | |
|-----------------------------|------------------------|
| Touch dry | : 12 ÷ 16 <i>hours</i> |
| Dry trough | : 24 ÷ 36 <i>hours</i> |
| Maximum chemical resistance | : after 10 days |
| Allowing foot traffic | : after 3 days |
- Recoatable : after 24 ÷ 36 hours with the same product.

NOTE:

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 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. 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%.

BEWARE OF FROST - Store the containers between + 4°C (39°F) and 30°C (86°F).

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).

Information provided in this technical data sheet is based upon our best experience and technical knowledge; it does not absolve the users from carrying out tests and preventive checks in order to verify the suitability for use. For further technical information about specific systems and/or special applications, please contact our TECHNICAL SERVICE.

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This note replaces all the previous ones. Please, make sure to have the latest issue. 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.