

IDEAL WAVE

Three-components, coloured epoxy coating for decorative floors

DESCRIPTION

Venetian plaster floors are highly appreciated by designers and architects because of their originality and mechanical properties.

The IDEAL WAVE Venetian plaster floor, with different shades of colour, is characterised by a warm and cloudy appearance.

IDEAL WAVE is a 2mm thick floor. Several thin thixotropic coloured mixtures are laid by means of a hand float; once cured, a polyurethane transparent gloss or satin-like finish is applied.

IDEAL WAVE prevents slipping and forms a substrate of irregular wavy patterns obtained using the hand float, which provides an excellent and original appearance.

Architects' imaginations can be expressed in different ways and be enriched with different colours and brass bands fit for every type of setting.

IDEAL WAVE can be applied to any type of flat substrate, provided that it is sound and has good mechanical resistance, and to existing floors. IDEAL WAVE is impermeable, has good resistance to abrasion and wear, is non-slipping and does not require any special maintenance.

Multi-colour IDEAL WAVE floors require more time to be treated as the two colours have to be obtained separately; the increased workforce costs make it quoted 10% more.

CLEANING AND MAINTENANCE

IDEAL WAVE has excellent surface hardness; any dirty residues due to foot traffic can be easily removed by a one-brush and washer-drier, using non-foaming floor cleansers.

IDEAL WAVE does not require any maintenance (waxes, impregnating agents, etc.) and can be cleaned by means of a vacuum cleaner.

In order to apply IDEAL WAVE, it is necessary to prepare a sand-cement footing with a thin floated finish, perfectly cured, starting from -2mm from the desired finished level.

APPLICATION

1 - Substrate preparation

1.1-Degrease substrate with a vacuum shot-peening machine or with a silicon carbide disc polishing machine, etc.

1.2-Restore any cracks, holes and irregularities with pre-packaged epoxy mortars.

1.3-A)-SUBSTRATE MADE UP OF TILES When laying IDEAL WAVE on tiles, prepare a fibre glass layer in order to mask the pattern between the spacing and to prevent any cracks from forming in case of future tile settling.

B)-SUBSTRATE WITH SCATTERED CRACKS:

Cracks in footing are real natural joints undergoing linear thermal movements owing to temperature changes.

When laying IDEAL WAVE, make a fibre glass layer in order to prevent new cracks next to the existing ones.

□ Application of IDEAL FLOOR 25 by roller or brush. It is a highly fluid

epoxy primer that reinforces and strengthens the substrate cortical portion (coverage of approx. 300g/m²)

- Laying of a glass net (mesh 0.5cm x 0.5cm), putting the films side by side without overlapping
- First surface shaving with BARRIERA-CEM, a fluid epoxy primer, solvent-free, applied with a hand float (coverage 1.2kg/m²). Saturation with globular quartz TD 03-08 (coverage 4kg/m²).
- Second surface shaving with BARRIERA-CEM, a fluid epoxy primer, solvent-free, applied with a hand float (coverage 1.3kg/m²). Saturation with globular quartz TD 03-08 (coverage 3kg/m²).
- Excess quartz removal, slight surface polishing and accurate debris and dust suction.

C)-SUBSTRATE MADE UP OF CONCRETE OR MORTAR SAND CEMENT WITH GOOD MECHANICAL PROPERTIES, REGULAR FLATNESS, UNIFORMITY (WITHOUT CRACKS OR BREAKING BECAUSE OF TECHNICAL PLANTS, ETC):

- Surface shaving with BARRIERA-CEM , a fluid epoxy primer, solvent-free, applied with a hand float for a coverage of approx. 1.5kg/m².
- Surface saturation with globular quartz TD 03-08, for a coverage of 3-4kg/m². When the resin has cured, remove any excess quartz, polish surface and carefully suck away dust and debris.

2 - IDEAL WAVE application

2.1-CAST A BASIC LAYER OF IDEAL WAVE with a float to form a basic colour primer (coverage of approx. 400 g/m²).

Mixing ratio:

1. IDEAL WAVE "A" -----→ 100
2. IDEAL WAVE "B" -----→ 100
3. IDEAL WAVE "C" -----→ 100

2.2-SAND using very thin sand paper.

2.3-CAST THE FIRST COLOURED LAYER OF IDEAL WAVE (lighter in colour / darker than basic colour / same colour) to obtain the desired colour. Coverage: approx. 200-300g/m². Prepare putty as above.

2.4-SAND using very thin sand paper

2.5-CAST THE SECOND COLOURED LAYER OF IDEAL WAVE (as per point 2.3) to provide the floor with the desired shade. Coverage: approx. 200-300g/m².

2.6-(If necessary) CAST THE THIRD COLOURED LAYER OF IDEAL WAVE (as per point 2.3) to obtain the desired colour. Coverage: 200-300g/m².

2.7-PROTECTION WITH A FIRST COAT OF GLOSSY POLYURETHANE SEALER (IDEAL PU 78) Coverage: approx.75-100g/m².

2.8-PROTECTION WITH A SECOND COAT OF OPAQUE OR GLOSSY POLYURETHANE SEALER (IDEAL PU 78) Coverage: approx.75-100g/m².

PACKAGING AND STORAGE

IDEAL WAVE is available in 5 litre containers.

Under normal conditions and when properly stored, the shelf life is 2 years

WARNINGS

- The substrate must be sound, compact, dry, clean, flat and regular.
- Resin floors, up to 2cm thick, cannot be considered as self-supporting. This means that in order to obtain the right performance and resistance to stresses, all Ideal Work coatings must perfectly adhere to the substrate.
- The substrate must be thick enough to have the right mechanical properties to resist static and dynamic loads on the floor.
- The used binder is an epoxy polymer that cures faster as room temperature increases (minimum 15°C). When temperatures are cold, in order to avoid temperature falls, frames must be already mounted and heaters must have been installed.

IMPORTANT:

All the information contained in this sheet is based on the best practical and laboratory applications. It is the customer's responsibility to check the product is suitable for the intended use. The manufacturer declines any responsibility for wrong application. It is recommended to carry out tests on small areas before application. This sheet replaces and cancels any previous one. The data contained can be changed at any time. Ideal Work products are for professional use and the company organises periodical training for its customers on demand. Anyone who uses these products without qualification takes all the associated risks.

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