

## INFORMATION ON USAGE

### Name

*SELF-LEVELLING HIGH BUILD EPOXY APPLICATION*

### Description

*Modified epoxy resin based, high build, continuous coating for floors. Pigmented, waterproof, solvent free. High mechanical and chemical performance, applicable to substrates of different physical format, designed for heavy traffic of heavy wheeled vehicles*

### Principal application

#### *Indoors*

- *food industries*
- *chemical and pharmaceutical industries*
- *mechanical engineering and warehouses*
- *electrical and electronic engineering*
- *garages and covered car parks*

### Suitability of the substrate (concrete)

*Residual moisture content: < 5%*  
*Compressive strength: > 220 kg/cm<sup>2</sup>*  
*Surface resistance to tearing: > 1.5 MPa*

### Total thickness of coating

*About 3,000 microns*

## CHARACTERISTICS

### Application components

*Stabiliser / Primer: Epoxy Fondo*  
*Intermediate layer: Epoxy Fondo mortar*  
*Wear Layer: Epoplast mortar*  
*Finish (protective, if required): polyurethane enamel in water dispersion, Polimat matt or Poligloss glossy or solvent based Paviglass, matt or glossy*

***(See product technical information sheet)***

## SUBSTRATE PREPARATION

*Specific tools and preparation techniques are applied according to the underlying substrate (new or old) and its physical format (concrete, stoneware, klinker, etc.)*

*Proper analysis of the substrate is essential to selecting the right preparation method from among those available*

- *Non destructive preparation of the surfaces using a special triple-head sander with silicon-carbide tools or a sanding machine. This involves removing any loose parts of the surface and, where possible, eliminating surface roughness, thus preparing the substrate for subsequent coating*
- *Dry blasting of the surface with metal shot of various dimensions, by means of dust trap systems, to decontaminate the substrate and make it ready for subsequent treatment. This treatment also directly removes all those parts of the substrate that are poorly adhering and/or loose*
- *Scarification using mechanical equipment with widia tools to remove those parts of the concrete that are poorly adhering and/or loose or to abrade ceramic enamel*

***(See product technical information sheet)***

## APPLICATION

### Stabiliser / Primer of the substrate

- Apply the specific epoxy primer, Epoxy Fondo (IVAS) with a roller; the quantity must be adequate to the function.  
Recommended use: from 150 to 250 g/m<sup>2</sup> depending on the absorption capacity of the substrate on which it is applied

### Intermediate layer (approximately 24 hours after the substrate has stabilised)

- General skimming to render the surfaces uniform and increase their mechanical resistance by applying a layer of Epoxy Fondo (IVAS) mortar, obtained by mixing Epoxy Fondo (IVAS) with graded quartz extender Quarzo 06 in a ratio of 1 : 0.7 (Epoxy Fondo 1 kg/m<sup>2</sup> : Quarzo 06 0.7 kg/m<sup>2</sup>). While applying the product, remove all air with a bubble-buster roller  
Recommended use: 1.6 - 1.8 kg/m<sup>2</sup>/mm of thickness

### Wear layer (approximately 24 hours after stabilising/priming the substrate)

- Application using a notched trowel (with triangular teeth) of the self-levelling finishing layer composed of the epoxy-based finishing mortar, Epoplast (IVAS), appropriately mixed with graded quartz extender Quarzo 06 (IVAS) in a ratio of 1 : 0.7 (Epoplast 1 kg : Quarzo 06 0.7 kg). While applying the product, remove all air with a bubble-buster roller  
Recommended use: 1.8 kg/m<sup>2</sup>/mm of thickness. (A+B+C)

### Finishing layer (approximately 24 hours after application of the Wear layer), protective if required

- Application of two coats of water-based polyurethane finish, opaque Polimat (Ivas) or semi-gloss Poligloss (IVAS), applied 6 hours apart; or application of two coats of solvent-based Paviglass (IVAS), glossy or opaque, 24 hours apart.  
Recommended use (with one coat): 100 - 120 g/m<sup>2</sup>

(See product technical information sheet)

## EPOPLAST MORTAR: PHYSICAL / MECHANICAL PROPERTIES

### Specific gravity

1.8 ± 0.1 kg/l (aggregates included) (A+B+C)

### Solids content

100 %

Concrete adhesion > 1.5 Mpa

### Application temperature

between +10° C and +35 °C

### Curing time at ~ 23°C

- Walkability: 24 hours
- Light passage: 4 days
- Full curing time: 7 days
- Shore D hardness after 7 days: 70 ± 5

**N.B.** This Technical Information Sheet is compiled to the best of our technical/scientific knowledge. Nevertheless, it is not binding and does not imply that we are responsible, as the conditions of use are outside our control. It is recommended that the product is always checked as being suitable for the specific application.

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