

## INFORMATION ON USAGE

### Name

FLEXIBLE SELF-LEVELLING APPLICATION

### Description

Epoxy-polyurethane resin based, high build, continuous elasto-plastic coating. Waterproof, pigmented and highly flexible, applicable to substrates of different physical formats

### Principal application

#### *Indoors / Outdoors*

As waterproofing

- flat roofs and terraces
- decks and elevated structures in concrete

As a coating

- hospitals and laboratories
- precision engineering industries
- schools and gymnasiums

### 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 in various versions  
Intermediate layer: Epoxy Fondo mortar  
Wear Layer: Epoplast Flex mortar

*(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 scarcely adhering and/or loose

## APPLICATION

### Stabiliser / Primer of the substrate

- Apply the specific epoxy primer, Epoxy Fondo with a roller; the quantity must be adequate to the function  
Recommended use (with application of a single coat): 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 stabiliser / primer)

- General skimming to render the surfaces uniform and increase their mechanical resistance by applying Epoxy Fondo mortar, obtained by mixing Epoxy Fondo with graded quartz extender Quarzo 06 in a ratio of 1 : 1 (Epoxy Fondo 1 kg/m<sup>2</sup> : Quarzo 06 1 kg/m<sup>2</sup>)

### Wear layer (approximately 24 hours after application of the intermediate layer)

- Application using a notched blade of the self-levelling finishing mortar composed of the epoxy-polyurethane binder, Epoplast Flex, appropriately mixed with graded quartz extender Quarzo 06 in a ratio of 1 : 0.5 (Epoplast Flex 1.0 kg: Quarzo 06 0.5 kg). While applying the product, remove all air with a bubble-buster roller
- In outdoor applications, finish up with one or two coats of pigmented Paviglass at a rate of approximately 100-120 g/m<sup>2</sup>
- Recommended use of Epoplast Flex A+B+C (with application of a single coat): 1.7-1.8 kg/m<sup>2</sup>

## MORTAR: PHYSICAL / MECHANICAL PROPERTIES

### Specific gravity of mixed product

1.75 ± 0.5 g/dm<sup>3</sup> (aggregates included) (A+B+C)

### Solids content

100 %

### Mechanical Properties after 7 days at +23°C

(mechanical properties are indicative and serve as reference to identify what category the product falls under)

Compressive strength: approx. 45 MPa

Flexural tensile strength: approx. 25 MPa

Concrete adhesion > 1.5 Mpa

Taber Abrasion: approx. 90 mg

### Curing time at approx. 23°C

- Walkability 24h
- Light passage: 4 days
- Full curing time: 7 days

COMPLETE CATALYSIS

**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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