

### EPO-FLOOR EC 0.3



| Unit of measurement | Pieces/Pallet | Consumption               | Color/other specifications |
|---------------------|---------------|---------------------------|----------------------------|
| 25 kg/sack          | 54 pcs/pallet | 1.5 kg/m <sup>2</sup> /mm | Grey                       |
| 5 kg/bucket         | 36 pcs/pallet |                           |                            |
| 1 kg/bucket         | 12 pcs/box    |                           |                            |



#### EPOFLOOR EC 0.3

Epoxy-based, three-component self-leveler.

#### DESCRIPTION

EPOFLOOR EC 0.3 is a leveling, epoxy-based resins product, and free of solvents. It offers the following advantages:

- High mechanical resistance.
- Very good adhesion with the area where it is applied
- High resistance to moisture.
- It has excellent leveling qualities.
- No corrosive effect.

It is classified as SR - B2,0 - AR0,5 - IR4 according to EN 13813.

#### AREA OF APPLICATION

EPOFLOOR EC 03 is used as a leveling layer in cement-based floors, to give them high mechanical and chemical resistance.

It is suitable to be applied in industrial areas, storehouses, parking lots, supermarkets, laboratories, hotels, garages, petrol stations, and in areas with heavy traffic. It is also suitable for direct contact with food products, according to the legislation W - 347, ISO 8467.

#### INSTRUCTIONS FOR USE

##### 1. Surface

Surface where the product will be applied should be:

- Stable and dry or slightly moist, free of water presence
- Clean, free of materials that prevent adhesion, such as dust, loose particles, fats, etc.
- Protected against moisture.

##### 2. Priming

You should apply EPOXY PRIMER W 4000 primer on the surface. Consumption: 200-300 g/m<sup>2</sup>. Once the primer is dried, existing damages, such as cracks and holes should be filled by using EPOFLOOR EC 0.3 (A+B+C) mixed with quartz sand with granulometry 0 – 0.3 mm. EPOFLOOR EC 03 should be applied 24 hours after the application of primer.

#### 2. Mixing EPOFLOOR EC 0.3

Components A and B are packed in predetermined mixing proportions. First, component A should be stirred very well in its container. Then, the entire quantity of component B should be added to component A. The mixing the two components should continue for about 30 seconds, with a low- speed mixer (300 rpm). It is important to stir well near the sides and bottom of the bucket, in order to achieve a uniform spreading of the solidifier. Stirring is done through a low- speed mixer, and it continues until the mixture becomes completely uniform (about 3 minutes). Following that, add gradually quartz sand with granulometry 0 – 0.4 mm under continuous stirring, until it reaches the report 1:2 in weight, and until an epoxy mortar mixture is formed.

#### 3. Manner of application – Consumption:

Depending on the final surface, there are two application manners:

a) Smooth final surface:

The epoxy mixture is poured on the floor in a thickness of 2 – 3 mm and is opened by using a notched screed. Consumption of EPOFLOOR EC 0.3(A+B) is 0.6 Kg/m<sup>2</sup> for mm of thickness. Consumption of quartz sand is 1.2 Kg/mm<sup>2</sup> for mm of thickness. The leveling layer should be run onto with a barbed roller so as to remove the air that is left inside the layer, thus avoiding empty spaces.

b) Rough final surface:

First, the epoxy mixture is applied in the manner explained in point a) for smooth surfaces. As long as the layer has not solidified yet, you may pour on the product quart sand with granulometry 0 – 0.4 mm or 0.4 – 0.8mm, as you wish.

Consumption of quart sand is approximately 3 Kg/m<sup>2</sup>. Once EPOFLOOR EC 0.3 has solidified, unbound portion of sand is removed using a vacuum. In the end, apply a layer of EPOFLOOR EC 0.3with roller. Consumption is: 400 – 600 g/m<sup>2</sup>.



#### PACKAGING

EPOFLOOR EC 0.3 is available in 30 Kg (A+B+C) packaging.

#### SHELF-LIFE STORAGE

12 months from manufacture date if stored in its original and unopened packaging. Protect it from direct exposure to the sun and from frost.



#### TECHNICAL DATA

|  |  |
|--|--|
| Chemical base (A+B+C)                  | bi-component epoxy resin and quartz sand         |
| Density (A+B+C)                        | 2,1 Kg/l   |
| The mixing ratio (A:B:C)               | 5: 1: 6 in weight                                |
| Pot life                               | approx. 40 min in +20°C                          |
| Minimal temperature for solidification | +8°C   |
| Trafficable                            | after 24 hours at +23°C                          |
| Final Resistance                       | after 7 days at +23°C                            |
| Resistance to compression              | 110 N/mm <sup>2</sup> (EN 13892 - 2)             |
| Flexural resistance                    | 62 N/mm <sup>2</sup> (EN 13892 - 2)              |
| Adhesion strength                      | 4 N/mm <sup>2</sup> (breaking point of concrete) |
| Maximal thickness                      | 3 mm   |