

Neofloor®

Self-leveling – Pourable cement mortar for flooring

Description of the product

Neofloor® is a cement based, self-leveling compound for smoothing out floor imperfections. It can be used at a thickness from 1-7mm, leaving a smooth final surface.

Applications

- Smoothing and leveling for concrete or cement mortar or mosaic floor surfaces etc in indoor areas. It's final aim is to facilitate the placement of ceramic tiles, natural stone plates, plastic floors, wooden floors either natural or synthetic, velvet carpet etc.
- Final coating, for medium traffic floors located in auxiliary areas, such as home storage rooms, attics and other auxiliary areas.

Technical characteristics

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|---|---|
| Density of mix | 2,2 ± 0,05 kg/l |
| pH of mix | >10 |
| Granulometry | Dmax: 0,4 mm |
| Pot life (+20°C) | 20-30 min |
| Setting time | 30-60 min |
| Foot traffic | After 2-3 hours |
| Curing time (95%) | 7 days |
| Flexural Strength after 28 days (EN 13892-2) | ≥10 N/mm ² |
| Compressive strength after 28 days (EN 13892-2) | ≥50 N/mm ² |
| Bonding strength (DIN EN 1348) | ≥1,5 N/mm ² |
| Wear resistance (13892-4) | ≤ 9,0 cm ³ /50 cm ² |
| Application temperature | From +5°C to +35°C |
| Consumption | 1,7kg/m ² per mm of thickness |

Classified as CT-C50-F10-A9-B1,5 type cementitious screed, in accordance to European specifications EN 13813.

Instruction for use

Surface preparation: The substrate must be clean of dust and free of oils greases, or any other substances that will inhibit the adhesion. Cracked substrates should be repaired with a suitable patching material, i.e. cement based repair mortar **Neorep®** prior to pouring **Neofloor®**. In order to achieve better adhesion, the addition of 1 part copolymer emulsion **Revinex®**:3 parts water into **Neofloor®** (6kg liquid mix /25kg **Neofloor®**) is highly recommended. Apply the mix as a primer by brush.

Application: We mix 25 kg of **Neofloor®** with 3,7-3,9kg of clean water and we mix at low to medium speed (400-500 rpm) until we obtain a lump-free mixture. Higher speed should be avoided because of air entrapment into the mixture which will result in bubbles and possible craters, weakening the strength and disfiguring

Neofloor®

the appearance of the final surface. We let the mixture stand for 5 minutes after mixing for all the ingredients to mature and we remix for a few seconds. The mixture remains fluid for 30 minutes but this can be prolonged with subsequent re-mixing. We pour the material on the floor and help it spread with a rubber squeegee. In the event that there are air bubbles on the surface, they can be removed with a special spiked roller. In case of a layer thickness over 7mm, the addition of sand (size 2,4-4mm) in a ratio up to 30%, allows for **Neofloor®** layer up to 20mm. The area of application must be protected from the sun, frost or wind so it can dry properly. The tools can be cleaned with water.

Notes

- Low temperatures and high humidity during application prolong drying time, while high temperatures decrease it.
- Floors which are subject to permanent moisture should be waterproofed with cement based brushable slurry **Neopress® Crystal**-copolymer emulsion **Revinex®** mixture before pouring **Neofloor®**.
- **Neofloor®** is not recommended for use over metal or wooden substrates.

Packing

25kg carton bags

Storage stability

12 months when kept sealed in its original container in dry and covered place.

Safety precautions

Irritant for eyes, respiratory tracks, skin. -Use protective equipment or gloves. - In case of contact rinse immediately with plenty of water and seek medical advice – Keep out of the reach of children – If swallowed, seek medical advice immediately

Auxiliary materials

- **Neorep®**: 25kg carton bags
- **Revinex®**: Tin cans 1kg, 5kg and 18kg
- **Neopress® Crystal**: 25kg plastic containers

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DoP No.: 4950-42

EN 13813 CT-C50-F10-A9-B1,5

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Cementitious screed material

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|---------------------------------|------|
| Release of corrosive substances | CT |
| Compressive strength | C50 |
| Flexural strength | F10 |
| Wear resistance | A9 |
| Bond strength | B1,5 |
| Reaction to fire | A1 |

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