

Product characteristics

Fortecocoat 1425, 1426, 1427 is a clear acrylic resin solution, which hardens, seals and cures concrete surface. It is used as last technological operation after concreting, typically as a final coating of armoured concrete floors after their final power trowelling. The application on freshly laid concrete seals the surface and protects it from rapid water loss. On existing concrete **Forteco**coat 1425, 1426, 1427 brings additional surface hardening. Consequently, pores are closing which reduces absorbability of surface. This way treated surfaces are dust free and increasing mechanical and chemical resistance and simplify maintenance.

Advantages

- Same day application when concrete placed.
- Simultaneous concrete curing and final layer creation.
- Hydration process optimization.
- Reduction of substrate absorption, enhancement of oil and oil products resistance.
- Additional concrete hardening.
- Improved abrasion resistance, dust prevention.

Application manual

Fortecocoat 1425, 1426, 1427 can be applied either onto freshly laid concrete after its final power floating or on existing matured, still not treated concrete surface. The substrate should be free of water and impurities. The typical way of use is to apply it on the top of **Fortedur** dry shake floorings. The concrete slab should be divided into adequate parts, where the specified quantity of the sealer should be used. **Forteco**coat 1425, 1426, 1427 should be spray - applied; its application by paintbrush, roller or rubber squeegee is possible.

Fortecocoat 1425, 1426, 1427 One coat is usually sufficient for non-dusting and provides glossy finish. In especially dry conditions or in draught, after **Forteco**coat 1425, 1426, 1427 drying the concrete should be immediately covered with textile or plastic sheets, shaded and protected from direct wind and fast drying. The surface should be protected against high temperatures the same way. In case of especially hot weather drums with **Forteco**coat 1425, 1426, 1427 should be stored at cool place prior to the application.

Respect to its extraordinary penetration ability **Forteco**coat 1425, 1426, 1427 hardens in higher thickness. In comparison to similar product, it is an implicit advantage. The excessive **Forteco**coat 1425, 1426, 1427, which does not soak into the concrete, creates a film that will be gradually worn off by traffic. Contamination of this film before drying (due to the site traffic together with moisture) can create temporary light spots on the surface. These spots do not affect any mechanical properties of the floor. **Forteco**coat 1425, 1426, 1427 provides higher surface resistance to water and oil penetration. In spite of that such substances must be always removed from the surface to prevent spot development. Stains produced during joint cutting may cause a local discoloration if **Forteco**coat 1425, 1426, 1427 is not completely dry.

Tools cleaning

Sprayers and nozzles should be thoroughly cleaned with xylene or diluter S 6005 or water in case of **Forteco**coat 1426. It must be done immediately after finish of application.

Packaging

20 l sheet can

Declarations of performance

The properties of the **Forteco**coat product are in accordance with the set of declared properties listed in the declaration of properties number ED 326 according to EN 13813:2002. The declaration of properties is in accordance with Regulation (EU) No. 305/2011.

Notice

- Very difficult to remove in depth, cannot be used where connection of other layers is expected.
- The coating must be applied immediately after smoothing.
- In contact with water (rain, condensation, etc.) or when covered with foil, transparent to white crystals may form on the surface. This process does not affect the rate of treatment and can be removed with cleaning machines with pads.

Storing conditions

Must be stored in original sealed containers in a dry and well-ventilated place away from direct sunlight at temperatures of 5-35 °C. The storage period is 36 months (**Forteco**coat 1426 - 12 months) from the date of production.

Safety and health protection

Fortecocoat 1425, 1427 contains easily inflammable/combustible substances containing volatile organic compounds. Protection from open fire and high temperatures as well as work safety provision are necessary. During work, working clothes must be used. Avoid contact with the skin and eye cornea. Do not inhale spray vapours or "mist". Please refer to the Safety Sheet for further information.

Technical parameters

Product type	1425	1426	1427
Base	solvent	water	dearomatised solvents
Supply	liquid	liquid	liquid
Colour	clear (bernstein)	milky	clear (bernstein)
Density	0,9 – 0,95 kg/l	1,05 kg/l	0,9 – 0,95 kg/l
Consumption	0,1 – 0,15 l/m ²	0,1 – 0,15 l/m	0,1 – 0,15 l/m ²

Fortemix, s.r.o. is not liable for damages resulting from failure to comply with instructions and recommendations of manufacturer.