

Fortecoat 1425, 1426, 1427

Hardening, sealing and curing acrylic agent for concrete surfaces

Product characteristics

Fortecoat 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 **Fortecoat 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

Restrictions

- cannot be applied where food is processing or storing
- **Fortecoat 1425, 1427** is very hard to remove – do not use where connection of next layers is suggested
- application of coatings has to be done immediately after final power floating
- do not dilute by diluter or water

Tools cleaning

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

Packaging

20 l sheet can

Storing conditions

Store in unopened original containers. Protect from frost and high temperatures.

Product attestation

Product is certified according to EN 13813

Shelf life

36 months (Fortecoat 1426 – 12 months) from the production date

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 ²	0,1 – 0,15 l / m ²

Application manual

Fortecoat 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. **Fortecoat 1425, 1426, 1427** should be spray - applied; its application by paintbrush, roller or rubber squeegee is possible.

Fortecoat 1425, 1426, 1427 One coat is usually sufficient for non-dusting and provides glossy finish.

In especially dry conditions or in draught, after **Fortecoat 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 **Fortecoat 1425, 1426, 1427** should be stored at cool place prior to the application.

Respect to its extraordinary penetration ability **Fortecoat 1425, 1426, 1427** hardens in higher thickness. In comparison to similar product it is an implicit advantage.

The excessive **Fortecoat 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.

Fortecoat 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 **Fortecoat 1425, 1426, 1427** is not completely dry.

Safety and health protection

Fortecoat must be stored at ventilated place, protected from temperatures below 5° C and above 30 °C, in originally sealed containers. **Fortecoat 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.

Warning



- Fortecoat 1426 cannot be used in non-ventilated premises. During the application or after the application the temperature of the base layer and / or surroundings temperature should not drop under the dew point.
- Before the application please check our web page www.fortemix.eu to be sure that you have the latest technical documentation.