

Fortecoat 1430 Protect+

Temporary treatment coating for fresh concrete and dry mixes

Product Characteristics

Fortecoat 1430 Protect+ is a temporary treatment, sealant, impregnation and curing solution used as a final coating on concrete floors treated with machine-smoothed dry mixes or screed technology. Application of the coating reduces water loss, which improves curing conditions to ensure higher strength values for load-bearing concrete slabs and their surface layer. It also seals pores, reducing surface absorption. Floor systems treated in this way produce less dust, have increased mechanical and chemical resilience, and are easier to maintain.

Fortecoat 1430 Protect+ was developed as a special temporary treatment that washing, cleaning, and daily use would gradually remove from the surface of machine-smoothed floors. **Fortecoat 1430 Protect+** forms a film that significantly reduces stubborn soiling of the floor surface by trolley wheels.

Benefits:

- Significantly reduces soiling of the floor surface by trolley wheels;
- Temporary surface coating film is easily removed by washing, cleaning, daily use;
- Increases hardness of concrete surface;
- Can be applied the same day concrete is poured;
- Simultaneously treats concrete and forms a final layer;
- Optimises the concrete hydration process;
- Seals and impregnates the surface;
- Increases strength qualities;
- Reduces dust formation and increases abrasion resistance.

Instructions for Use

Fortecoat 1430 Protect+ can be applied to fresh concrete surfaces immediately after final smoothing. The substrate must be free of debris and water.

Typical application of the coating is on reinforced concrete floors treated with **Fortedur** dry mixes or screeds. The coating is applied by roller or spray. Roller painting can be used only if surface quality would not be adversely affected by application. For formwork constructions, the treatment coating must be applied immediately after form removal. The coating must be applied immediately after smoothing without allowing dry spots to form. The work area is divided into sections where the specified amount of product is to be applied.

The coating is applied in a thin film, one coat is usually sufficient for effective treatment, to ensure that it is dust-free and gives the surface a shine. In particularly dry environments or in draughty areas, the concrete is subsequently covered with fabric or plastic sheeting immediately after the **Fortecoat 1430 Protect+** has dried, and is protected from direct sunlight, wind, and evaporation. The surface should also be protected from high temperatures. In case of particularly warm weather, **Fortecoat 1430 Protect+** should be stored in a cool place before application.

Fortecoat 1430 Protect+ provides increased protection against water, oil, etc. However, these substances should always be removed from the surface to avoid possible staining. Contamination arising from the cutting of joints can cause the surface to turn white if the product is not completely dry.

To apply any additional coatings to a surface treated with **Fortecoat 1430 Protect+**, a compatibility test of the additional coats must be carried out.

Declaration of Performance

The properties of **Fortecoat 1430 Protect+** are in accordance with the set of declared properties given in Declaration of Performance No. ED 326 per EN 13813:2002. Declaration of Performance complies with Regulation (EU) No 305/2011.

Restrictions:

- The treatment coating seals the porous structure of the floors and cannot be used where additional layers are to be bonded.
- Coating must be applied immediately after cooling. A damp (misted) surface can cause discoloration – whitening of the coating.

Cleaning of Tools

Work tools (sprayers, nozzles) are cleaned with xylene or S 6005 thinner. Tools must be cleaned immediately after application.

Packaging

Fortecoat 1430 Protect+ is supplied in a 20-litre canister.

Storage Conditions

Must be stored in original sealed containers in a dry, well-ventilated area out of direct sunlight at temperatures of 5–35 °C. Can be stored up to 36 months from date of manufacture.

Health and Safety

Fortecoat 1430 Protect+ contains mildly flammable/combustible substances containing volatile organic compounds; keep away from open flame and avoid high temperatures to ensure work safety. Work clothing should be worn and contact with the skin and eyes should be avoided. Do not breathe fumes or “mist” when spraying.

For information and instructions on the safe handling, storage and disposal of chemical products, please refer to the current edition of the product safety data sheet.

Product Data

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| Product name | 1430 Protect+ |
| Chemical base | Thinners |
| State | Liquid |
| Colour | Clear |
| Density | 0.9–0.95 kg/l |
| Consumption | 0.1–0.15 l/m ² |

Application Information

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|--|-----------------------------------|
| Relative air humidity during application | Max. relative air humidity of 80% |
| Air temperature during application | 5–35 °C |
| Curing time | Max. 24 hours at +20 °C |

Fortemix, s.r.o., shall not be liable for damages resulting from failure to follow the manufacturer's instructions and recommendations.

