



Vetotop UL170

Two-component, solvent free, PU-based, self-levelling flooring for cold areas

Uses

- Industrial kitchens, cold storage areas, and food processing plants.
- Flooring for commercial and institutional applications.
- Corridors, hospitals, production areas, showrooms, laboratories, etc.

Product Description

Vetotop UL 170 is a two-component, solvent free, polyurethane-based, self-levelling flooring for cold areas with soundproof property, which possess high tensile strength with excellent balance of elongation, abrasion resistance and hardness.

Advantages

- Can withstand temperatures ranging from -20 to +70 °C.
- High abrasion and UV resistance.
- Flowable consistency for self-levelling application.
- Bonds tenaciously to become an integral part of the floor.
- Easy application and easy to maintain.
- Excellent durability and impact resistance.

Technical Data

Vetotop UL170	Typical Values @ 25 °C
Appearance	Semi-glossy
Mixed Density (kg/liter)	1.37
Solid Content (by weight %)	98
Pot Life (Minutes)	40
Touch Dry Time (Hours)	3
Tack Free Time (Hours)	6
Shore A hardness	80
Tensile Strength (psi)	1800
Application Temperature (°C)	10 to 35
Recoating Time (Hours)	+12 minimum
Full Cure Time (Days)	7

Design Criteria

Vetotop UL170 is designed to be a hard-wearing self-smoothing single pour application on cementitious or metal substrates, with thickness ranging from 2 to 4 mm. Once applied, the product exhibits high resistance to abrasion and UV rays.

Usage Instructions

Surface Preparation

All surfaces should be dry and free from contamination, such as oil, grease, loose particles, decayed matter, moss algal growth, laitance, and all traces of mold release oils and curing compounds. This is best achieved by lightly grit-blasting the surface. Where moss, algae, or similar growths have occurred, treatment with a proprietary biocide should be carried out after the grit-blasting process. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with a Saveto repair system.

Priming

All surfaces receiving Vetotop UL170 should be primed with Vetoprime EP491, designed for maximum absorption and adhesion to concrete substrates. Add the entire contents of the hardener tin to the base tin and mix the two primer components thoroughly for at least 3 minutes - only mix full packs. Once mixed, the primer should be applied immediately to the prepared substrate using stiff brushes and/or rollers. The primer should be well 'scrubbed' into the substrate to ensure full coverage. Still, take care to avoid over-application or 'ponding.' Allow the primer to dry before proceeding to the next stage, do not proceed whilst the primer is 'tacky' as this will lead to unsightly marks in the finished surface. Porous substrates may require a second primer coat - when the first coat is directly absorbed into the substrate - but observe a minimum over-coating time.

Mixing Vetotop UL170

Vetotop UL170 is supplied in two pre-weighed packs (base and hardener), ready for immediate on-site use. Part mixing of these components is not acceptable and will affect both the performance and appearance of the finished floor. Mixing should be carried out using either a forced action mixer; or a heavy-duty mobile mixer fitted with a jiffy type mixing paddle. All such equipment should be of a type and capacity approved by Saveto. The components should be mixed in a suitably sized mixing vessel. Stir the base and hardener components individually, then empty them into the mixing vessel scrapping the edges and mix for 3-4 minutes until a completely homogeneous material is obtained.

Application

Ensure sufficient labor and materials to make the mixing and subsequent application process a continuous one for any given, independent floor area. Once mixed, use the material within its specified pot life. Pour the material onto the prepared and primed substrate as soon as mixing is complete. Spread it to the required thickness using a notched trowel or a gauged spreader, taking care not to overwork the resin, spreading evenly and slowly. After laying, roll the material immediately, using a spiked nylon roller to remove slight trowel marks and assist air release. Use a 'back and forth' technique along the same path for rolling. An overlap of 50% with adjacent paths is recommended. Further light rolling may be required to remove surface imperfections or for subsequent release of trapped air but should be before the setting of the product.

Cleaning

Remove Vetotop UL170 product from tools, equipment, and mixers with Vetonit Solvent XX400 immediately after use.

Legal Disclaimer

Saveto endeavors to ensure that any advice, recommendations, information it may give is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products because it has no direct or continuous control over where or how its products are applied, whether or not following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Packaging & Coverage

Product	Pack Size	Theoretical Coverage
Vetotop UL170	15 kg	5.4 m ² /kit @ 2 mm thickness
Vetoprime EP491	4&15 LT	10 m ² /liter/coat @ 100 microns thickness

Stated consumption data is for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed kit of Vetotop UL170 has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 45°C.

Limitations

- Avoid application when the air and floor temperature are below 10°C.
- Store indoor at 7 to 43 °C do not use without a primer.

Health & Safety

Vetotop UL170 is irritant and harmful; therefore, avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. In case of contact with eyes, clean immediately with plenty of clean cold water and seek medical advice. Ensure adequate ventilation when using the product or when using solvent for cleaning purposes and avoid vapors' inhalation. The use of barrier creams provides additional skin protection. In case of skin contact, rinse with plenty of clean water, cleanse with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - Do not induce vomiting.

Vetotop UL170 & Vetoprime EP491 are non-flammable. Vetonit Solvent XX400 is flammable.

Refer to the product Material Safety Data Sheet for further information.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.