

DecoFloor PU Granite

High Performance, premium decorative, smooth flooring system with granite effect based on polyurethane technology

Uses

- Engineered for commercial and industrial environments where aesthetics, durability, and comfort underfoot are required.
- Suitable for healthcare and pharmaceutical facilities such as labs, clean rooms, and hospitals where hygiene and chemical resistance are essential.
- Educational institutions including schools, universities, and research centers requiring easy-to-maintain flooring.
- Cultural and recreational areas such as museums, exhibition halls, stadiums.
- High-traffic retail and commercial environments including shopping malls, showrooms, and department stores.
- Corporate and hospitality settings such as offices, hotels, conference centers.
- Public infrastructure (airports, metro stations, transport terminals).
- Food processing areas, and industrial kitchens where resistance to thermal shock, cleaning chemicals, and heavy service conditions are required.

Product Description

DecoFloor PU Granite is a high-performance, premium decorative, smooth polyurethane flooring system designed for high-footfall interior commercial and industrial applications. It combines aesthetic granite-like appearance with excellent mechanical strength, flexibility, and long-term durability.

The system features a four-layered composition for optimal performance:

- Vetoprime UP394 - A two-part, PU-based primer designed to penetrate and seal the substrate, ensuring strong adhesion of the subsequent layers.
- Vetotop DecoFloor Quartz - A high performance decorative quartz filler for decorative and slip resistance properties.
- Vetotop DecoFloor UB - A two-part, turbid PU resin with high flexibility, slip resistance and mechanical properties, reinforced with high-performance synthetic quartz fillers (Vetotop DecoFloor Quartz) to serve as the system's wearing course.
- Vetotop UC371 or Vetoseal UC775 - A clear, UV-resistant, aliphatic polyurethane protective topcoat in gloss finish (Vetotop UC371) or a two-part, water-based, PU sealer in matt finish (Vetoseal UC775).

DecoFloor PU Granite offers excellent flexibility making it more tolerant to substrate movement and thermal cycling. Its seamless, joint-free application ensures easy cleaning, improved hygiene, and reduced dirt accumulation.

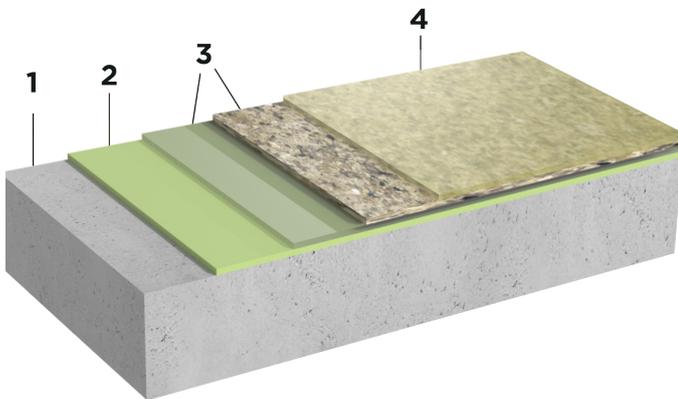
Advantages

- Low VOC.
- Excellent abrasion and wear resistance.
- Superior flexibility and crack-bridging capability.
- Outstanding chemical and stain resistance.
- Seamless, hygienic, and easy-to-clean finish.
- Comfortable underfoot due to flexible PU flooring system.
- Customizable decorative finishes with matt or gloss appearance.
- Suitable for medium to high traffic areas.

Technical Data

DecoFloor PU Granite	Typical Values
Compressive Strength (N/mm ²) 7 days @ 23°C	- 25 - 30
Flexural Strength (N/mm ²) 7 days @ 23°C	- 20 - 25
Chemical Resistance	Excellent
Skid/Slip Resistance	Excellent
Impact Resistance - ASTM D2794	Pass

System Design Package



1- Base Layer

2- Primer:

Vetoprime UP394 (two-part, PU-based primer)

* Recommended Thickness: 200

3- Wearing Course:

Vetotop DecoFloor UB (turbid PU resin binder) + Vetotop DecoFloor Quartz (synthetic quartz filler)

* Recommended Thickness: 1.5-2.0 mm)

4- Topcoat:

Vetotop UC371 (clear glossy finish) or Vetoseal UC775 (clear matt finish)

* Recommended Thickness: 100 microns

Usage Instructions

Surface Preparation

The substrate must be clean, dry, and free from contaminants such as dirt, oil, grease, existing coatings, and surface treatments. Remove all dust, loose, and friable materials thoroughly before application, preferably by vacuum. Suitable preparation methods include light grit blasting, surface grinding, or similar techniques to achieve a sound, rough surface profile.

Any spalled, fractured or defected asphalt and concrete surface must be repaired to allow the system to bond effectively to sound, monolithic surfaces. Use an epoxy mortar from the Vetorep ER range to repair all necessary areas before applying.

Concrete substrates must have a minimum compressive strength of 25 N/mm² and a minimum pull-off strength of 1.5 N/mm². The substrate should be allowed to cure for at least 28 days prior to application.

Application

1. Primer Application

- Mix the two components of Vetoprime UP394 thoroughly using a slow-speed mechanical mixer until a uniform, streak-free consistency is achieved.
- Apply the primer evenly onto the prepared substrate using a roller, brush, or squeegee at 200 microns thickness.
- Ensure the primer penetrates the substrate and forms a continuous, pore-sealing film.
- If the substrate is highly porous, a second coat of primer may be required.
- Allow the primer to cure tack free (90 minutes – 2 hours depending on the temperature) before applying the wearing course.

1. Wearing Course Application

- Mix the two components of the Vetotop DecoFloor UB (turbid) thoroughly using a slow-speed mechanical mixer until a uniform consistency is obtained.
- Gradually add Vetotop DecoFloor Quartz to the mixed binder in a ratio of 1:5-6 while mixing continuously, until fully wetted.
- Pour the mixture onto the primed surface and spread evenly using a notched trowel or rake.
- Ensure a uniform layer thickness of approximately 1.5-2.0 mm.
- Use a steel trowel to smooth and compact the surface to achieve a consistent granite-like finish.
- Allow the wearing course to cure completely before applying the topcoat.

3. Topcoat Application (Finish Selection)

Depending on the desired finish, apply one of the following topcoat options:

- Glossy Finish: Apply 1 clear coat of Vetotop UC371 at 100 microns thickness for a smooth, high-gloss appearance.
- Matt Finish: Apply 1 clear coat of Vetoseal UC775 at 100 microns thickness for a subtle, elegant matt look.

Additional

The detailed application and maintenance guidelines for the DecoFloor PU Granite System can be found in the Technical Data Sheets of the respective DecoFloor PU Granite components.

The Technical Data Sheet provides a comprehensive system description, along with detailed step-by-step instructions covering surface preparation, substrate and environmental conditions (temperature, relative humidity) control, mixing, and application procedures.

FLOORING

Packaging & Coverage

Product	Criteria	Pack Size	Coverage
Vetoprime UP394	1-2 primer coats	15 kg kit	3-4 m ² /kg @ 200 microns thickness
Vetotop DecoFloor UB + Vetotop DecoFloor Quartz	<ul style="list-style-type: none"> Apply the mixture in a ratio of 1:5-6 Trowel application of binder-quartz filler mixture Or broadcast over wet surface 	10 kg kit 25 kg bag	~ 4 - 5 kg/m ² (depends on the application thickness)
Vetotop UC371 or Vetoseal UC775	<ul style="list-style-type: none"> Vetotop UC371 (Gloss Finish) Vetoseal UC775 (Matt Finish) 	4 liter kit 5 kg kit	~ 5 m ² /Liter @ 100 microns DFT 100 - 120 g/m ² @ 100 microns thickness

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

Important Guidelines

- Maintain the recommended curing times between each layer to ensure maximum adhesion and system performance.
- The substrate temperature must be at least 3 °C above the dew point to prevent condensation and surface defects.
- The system should be installed by trained professionals to achieve the best quality.
- Ensure adequate ventilation during application and curing, especially in enclosed areas.
- Actual material consumption may vary depending on substrate condition, surface profile, and application method.

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- Conduct a trial application where necessary to confirm appearance, texture, and performance before full-scale installation.

Health & Safety

Exercise caution during use and storage to prevent contact with the skin, eyes, or mouth. Appropriate personal protective equipment, including protective clothing, gloves, and eye/face protection, must be worn at all times.

In case of accidental skin or eye contact, the affected area should be rinsed thoroughly with clean water. If ingested, seek medical assistance immediately and do not induce vomiting.

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.