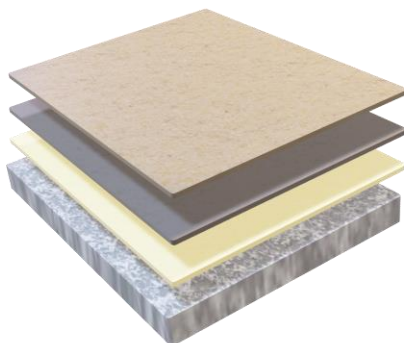


ROKRETE PU-TC

4 components, 0.3 – 0.5 mm PU coating, solvent free, coloured.

SYSTEM BUILD UP



| | |
|-----------|--|
| Top Coat | : Rokrete PU-TC |
| Wear Coat | : Rokrete PU-MF + QC Sand 0.6-1.2 mm |
| Primer | : ROKRETE scratch coat, FLORPRIME 180 |
| Substrate | : Concrete, cementitious crete, magnesite creed, other moisture sensitive substrate. |

FEATURES

- **High chemical resistant** – resist organic acids, dilute mineral acids, vegetable and animal fats, petroleum oils and most solvents.
- **Wide service temperature** - 5°C to +70°C (3 mm MF), -15°C to 90°C (4 mm MF).
- **High abrasion & impact resistant** – resist mechanical wear and heavy vehicular traffic.
- **High thermal shock resistant** – withstand hot water and steam cleaning.
- **Seamless** – easy to clean and maintain.
- **Fast curing** – trafficable in 24 hours.
- **Anti-microbial** – reduce bacteria by 99 %.
- **Solvent free** – nonflammable, no tainting to food, no fire hazard.
- **Matt finish** – easy to keep clean and maintain.

APPLICATION AREAS

- **ROKRETE PU-TC** is used as a protective coating in situations subject to constant exposure to aggressive chemicals, high heat cleaning and mechanical abuses such as dairy, food & beverage production facilities, warehouse & distribution centres, chemical and minerals processing plants and waste treatment plants.
- It is normally used in 0.3 – 0.5 mm thickness as a topcoat over ROKRETE PU-MF wear coat broadcast.

PHYSICAL PROPERTIES

| | |
|----------------|--|
| Product type | 4 components PU coating, solvent free. |
| Color | Flortech standard. |
| Finish | Matt. |
| Density, mixed | 1.50 g/cm ³ @ 25 °C. |

STORAGE & SHELF LIFE

| | |
|------------|--|
| Shelf Life | 9 months in closed original container. |
| Storage | Dry, well-ventilated space and avoid direct sunlight @ 10 – 30 °C. |

PACKAGING

| Components | Part A | Part B | Part C | Color Paste |
|--------------------------|--------|--------|--------|-------------|
| TOTAL : 12.090 kg | 3 kg | 3 kg | 6 kg | 0.090 kg |

PERFORMANCE DATA

| | | |
|-------------------|------------------------|-------------|
| Adhesive strength | >1.5 N/mm ² | EN ISO 4624 |
|-------------------|------------------------|-------------|

APPLICATION GUIDE

| Mixing ratio (by weight) | Part A | Part B | Part C | Color Paste |
|--------------------------|-------------------------------------|--------|---------------------|-------------|
| | 3 | 3 | 6 | 0.09 |
| Working time | 5 – 7 minutes @ 25°C | | | |
| Application temperature | 10-30 °C (min 3 °C above dew point) | | | |
| Material consumption | 0.5 – 1.0 kg/m ² | | | |
| Following coating | After 12 – 24 hours @ 25°C | | | |
| Curing time | @ 25°C | | | |
| | Light traffic | | After 12 – 20 hours | |
| | Heavy traffic | | After 2 days | |
| | Full chemical curing | | After 7 days | |

SUBSTRATE REQUIREMENT & PREPARATION

- ROKRETE PU-TC is applied directly to the cleaned ROKRETE PU-MF wear coat, which has been broadcast with quartz sand or other aggregates, within 24 hours as part of the ROKRETE topping system without needing to grind the surface.
- If more than 24 hours have passed, a light grind is necessary. Additionally, it can be used on ROKRETE PU-VC skirtings and vertical applications.

PRIMER

- No primer is required on existing ROKRETE PU-MF broadcast wear coat.

APPLICATION METHOD

- Before starting the application, ensure the material temperature is similar to the site conditions.
- Dispense the color paste into component A and mix for one minute with a helical mixer at 350-600 rpm until the mixture is homogeneous.

APPLICATION METHOD

- Add component B and mix for another 1.5 to 2 minutes until homogeneous.
- Gradually add component C while the mixer is running, moving the mixer side to side and top to bottom, scraping the sides of the vessel to ensure thorough mixing for 2 to 3 minutes.
- Transfer the mixture to a clean container and mix for an additional minute.
- Pour the mixed material onto the surface and spread it using a hard or soft rubber squeegee.
- Roll it in one direction with a short-piled microfiber roller (e.g., Multitool microfiber 6 or 8 mm) to avoid puddle formation.
- For a smooth finish, roll in one direction with the microfiber roller.
- The drying time for the wet sealer seams is approximately 5-7 minutes at 20°C and 50% relative humidity.

OVERCOATING

- Over-coating should be done within 24 hours of applying ROKRETE PU-TC. If more than 24 hours have passed, the surface must be lightly ground before over-coating.

DISCLAIMER

Although the information provided here is accurate and reflects our best knowledge and experience, please note that we do not provide any warranty, express or implied, regarding the recommendations made by us, our representatives, or distributors. This is because the conditions of product use and the level of professional competence required for its application are beyond our control.