



FLORTECH
FLOORING TECHNOLOGY

ROKRETE PU-TC

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

ROKRETE PU-TC is 4 – component high build PU coating which has an excellent mechanical and chemical properties. It is used 0.3 – 0.5 mm thickness as a topcoat over **ROKRETE PU-MF** wear coat broadcast. Normally, **ROKRETE PU-TC** is used as a protective coating in area which undergoes constant exposure to chemicals, high heat cleaning and mechanical abuse such as dairy, food & beverages production facilities, warehouse, and wastewater treatment plant etc.

TECHNICAL DATA	
COMPRESSIVE STRENGTH	
EN 13892-2	>50 N/mm ²
ADHESIVE STRENGTH	
EN ISO 4624	>1.5 N/mm ²
SHORE HARDNESS	
EN ISO 868	D 75 to 80 after 30 days
HEAT RESISTANCE	
5°C to +70°C (3mm); -15 to +90°C (4mm).	
IMPACT RESISTANCE	
EN ISO 6272	≥ 15 Nm
FLEXURAL STRENGTH	
EN 13892-2	>20 N/mm ²
TENSILE STRENGTH	
EN 196 / ASTM C109	>10 N/mm ²
FIRE RESISTANCE	
EN 13501-1 (PART 1)	B _{fl} – s1
SLIP RESISTANCE	
BS 7976-2 (4-S rubber slider)	Dry>38



HIGH CHEMICAL RESISTANT

resists organic acids, dilute mineral acids, vegetable and animal fats, petroleum oils and solvents.



WIDE SERVICE TEMPERATURE

5°C to +70°C (3mm); -15 to +90°C (4mm).



HIGH ABRASION / IMPACT RESISTANT

resists mechanical wear and heavy vehicular traffic.



SEAMLESS

Easy to keep clean and maintain.



FAST CURING

Can withstand foot traffic in 12 to 20 hours after application.



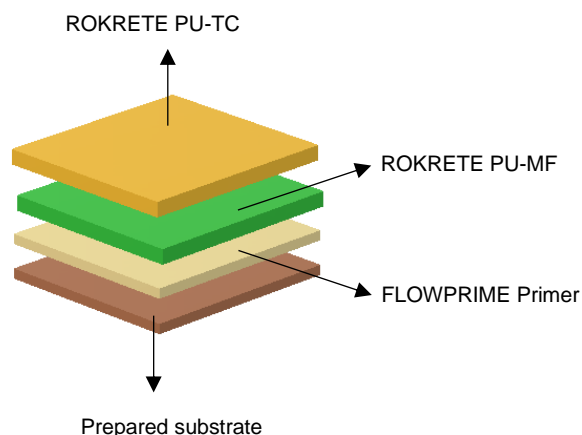
ANTI-MICROBIAL

Reduce bacteria by 99.9 %.



SOLVENT FREE

Nonflammable, non-tainting to food, no fire hazard.



Green



Buff



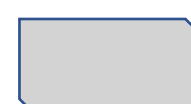
Red Oxide



Cream



Grey



Light Grey

**The applied colours may differ from the examples shown above.

TECHNICAL DATA		
Density	at 25 °C	1.53 g/cm ³
Packaging size	total 4 components A : B : C : Color Paste	6.175 kg (1.5 : 1.5 : 3 : 0.175) 12.175 kg (3 : 3 : 6 : 0.175) kg
Mixing ratio (in parts by weight)	A : B : C : Color Paste	3 : 3 : 14 : 0.175
Working time	at 25 °C	5 to 8 minutes
Application temperature	min 3 °C above dew point	10 – 30 °C
Material consumption	0.5 – 1.0 kg/m ²	
Overcoating	at 25 °C	12 – 24 hours
Cure time to withstand	at 25 °C : light traffic : heavy traffic : full chemical curing	12 – 20 hours 36 – 48 hours 7 days
Storage	Store at dry conditions, 10 - 30 °C, avoid direct sunlight	
Shelf life	9 months in unopened container	



APPLICATION METHOD

1. SUBSTRATE PREPARATION:

ROKRETE PU-TC is applied directly onto the cleaned **ROKRETE PU-MF** wear coat, which is broadcast with quartz sand or other aggregates (within 24 and hours) as **ROKRETE** topping system without grinding the surface. If longer than 24 hours, a light grind is required. Furthermore, it could be applied on **ROKRETE PU-VC** skirting's and vertical applications.

2. PRIMER:

No primer is required as **ROKRETE PU-TC** is directly applied on **ROKRETE PU-MF**.

3. APPLICATION:

Make sure the material temperature is close to the site condition before starting the application.

Firstly, mix the colour paste with component A for 1 minute using helical mixer at speed of 350 – 600 rpm. Next slowly add component B and mix for another 1 minutes until homogeneous.

Next, slowly add component C while the mixer is running and move the mixer around from side to side, top to bottom. Make sure to scrap the side of mixing vessel so that all material is fully mixed thoroughly. Mix the material for about 1.5 minutes.

Transfer the mixture into new clean container and mix for 1 minutes.

3. APPLICATION:

Next, pour the mixed material onto the surface and spread using rubber squeegee. Then, roll the material with short-piled microfiber roller in one direction. Make sure the formation of puddle to be avoided.

The drying time for seams of wet sealer is in between 6 to 8 minutes and make sure to maintain continuity of wet material between pours.

Subsets cannot be mixed because only complete sacks of filler may be processed.

4. Overcoating:

Overcoating must be done within 24 hours after application of **ROKRETE PU-TC**. If longer than 24 hours, it is required to lightly grind the surface before over-coating.

5. Overcoating:

We recommend that the floor is clean regularly with mildly alkaline based cleaning detergent with the use of rotary scrubber.

FLORTECH SDN BHD,

8, Jalan Selat Selatan 24, Phone: +60-331631884
Sobena Industrial Estate, Email: flortech.my@gmail.com
42000. Pandamaran, Port
Klang,, Selangor,
Malaysia

All information contained herein is true, accurate and represents our best knowledge and experience. Warranty is not given or implied with any recommendations made by us, our applicators, or distributors, as the conditions of use at the site and the professional competence or skills involved in the application of the product are not within our control.

As all FLORTECH data sheets are updated on a regular basis, it is user's responsibility to obtain the most recent issue. Hard copies are available upon request.