

Dr. Fixit Superseal TC 1000 Ultra



ULTRA HIGH PERFORMANCE UV AND WEATHER RESISTANT POLYASPARTIC PROTECTIVE COATING FOR EXPOSED ROOF AREAS

Dr. Fixit Superseal TC 1000 Ultra is a pigmented, two component, UV and weather resistant, high abrasion resistant protective coating for exposed roof applications. Dr. Fixit Superseal TC 1000 ultra is liquid applied as a seamless coating forms a very tough yet flexible film with superior UV and weather resistance properties.. It is designed as a thin layer topcoat or standalone protective coating which can be applied by brush,roller or spray.

Features

- Excellent Mechanical & Physical Properties.
- Excellent UV and weather resistance.
- Extremely tough yet very flexible coating
- Long lasting service life
- Available in selected RAL colors

Typical Applications

- As a top coat for Dr. Fixit range of Polyurea and Polyurethane coating
- As a stand alone protective coating for concrete surfaces
- As a topcoat over Car Park deck system

Methods of Application

1 SURFACE PREPARATION

- Surface must be clean, dry and in sound condition to ensure adequate adhesion.
- Remove all oil, grease, dust, loose particles and other foreign material.
- Fill all cracks, voids and bug-holes with an appropriate (When using on concrete as stand alone coating).
- Always follow the appropriate standard methods for preparing the surfaces.

2 APPLICATION OF PRIMER

- Mix base and hardener components of Dr.Fixit Cipoxy 16D primer using peddle/drill mixer with slow speed (200-300 prm) until a homogenous mix is achieved.
- Apply the mixed primer using suitable brush/roller.
- For application on Polyurea/PU coating surface coverage shall be 15-20 m²/ltr.
- For application on concrete surface coverage shall be 4-5 m²/ltr.
- Allow the primer to touch dry for before application of top coat.

3 APPLICATION OF TOP COAT

- Mix Part A & Part B of Dr. Fixit Superseal TC 1000 Ultra as per the given mixing ratio of Part A: Part B (1 : 1 by weight) using peddle/drill mixer with slow speed (200-300 rpm)for 2-3 minuntes to achieve homogenous mix.
- To protect Polyurea/PU membrane apply one coat of Dr. Fixit Superseal TC 1000 Ultra by brush or roller at the rate of 4 m²/kg/coat for about 150 microns DFT.
- For concrete substrate as a standalone system apply Superseal TC1000 Ultra coverage @ 2.5 m²/kg in 2 coats to achieve 250 microns DFT. Overcoat interval should be minimum 4 hrs and maximum 24 hrs depending upon ambient temperature.
- Coverage will vary according to the surface profile and porosity of substrate, If applied as 'standalone'



Precautions

- Always add the Part B (hardener) to Part A while mixing.
- Apply when ambient and surface temperature are above 10°C.
- Do not apply when risk of rain/condensation is possible before the coating is fully dry to touch.
- Refer to Material Safety Data Sheet (MSDS) prior to use or for specific information.
- Avoid skin contact, use of gloves and safety glasses is recommended while using the product.

Technical Information

Physical Properties	Units	Typical Values
Solid Content	%	≥ 70
Mixed Density	@ 25 degree C	1.18 +/- 0.1
Gloss (60')		60 to 70
Working Time @ 25'C	minutes	50 to 60
Overcoating Interval	hours	Minimum 4 hrs & Maximum 24 hrs
Foot-Trafficable	hours	24-36 hours

Performance Specifications	Test Method	Typical Values
Tensile Strength	ASTM D 412 : 2002	14 N/mm ²
Elongation at Break	ASTM D 412 : 2002	250%
Tear Strength	ASTM D 624	55 N/mm
Adhesion Bond Strength	ASTM D 4541 : 2005	> 2.0 N/mm ²
Abrasion resistance	ASTM D 4060	20 mg loss (CS 17 Wheels, 1 kg, 1000 cycles)

All parameters are obtained under standard lab conditions.

Note: Mechanical properties are derived from testing of Dr. Fixit Superseal TC1000Ultra applied as per recommended application method in controlled laboratory environment after completion of 14 days of curing. Test results achieved from testing of site-applied samples may vary depending on circumstances beyond our control such as variation in sample preparation, variation of UTM machine, rate of loading, manual errors, atmospheric conditions, curing conditions & film thickness etc.

Packaging & Coverage

5 kg Combo Pack (Part A-2.5 kg & Part B- 2.5 kg).

Shades Available : White,Grey,Terra cota,Green,Light Blue

Shelf Life

- Keep containers closed away from heat and flame when not in use; store in a cool & dry place.
- Shelf Life: 12 months from the date of manufacture in unopened & proper storage conditions.

Health and Safety

- Refer to Material Safety Data Sheet (MSDS) prior to use or for specific information.
- In case of skin contact: Remove skin contamination when wet with water. Use Kerosene when product has dried.
- In case of Eye contact: Irrigate immediately with plenty of clean water for 15 minutes and seek medical advice.



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