

DANOCOAT TC SR



Solar Reflective Polyurethane Coating

DESCRIPTION

DANOCOAT TC SR is two pack Polyurethane based solar reflective flexible coating. The aliphatic nature of the system imparts exceptional U.V resistance to the coating.

It is suitable for use on TIKIDAN range of polyurethane roof coatings and polyurea coatings as solar reflective, weather, and U.V resistant topcoat.

It is available in various shades to meet the aesthetics of a building structure.

USES

- Used as U.V and weather resistance topcoat on polyurethane and polyurea coating systems.
- Used as light stable solar reflective waterproof coating.

ADVANTAGES

- Excellent U.V resistance and weathering properties
- Good resistant to corrosive and saline atmosphere
- Excellent elongation and flexibility
- Quick curing
- Seamless
- Ease of application around complex geometries

APPLICATION INSTRUCTIONS

The Resin and Hardener component of **DANOCOAT TC SR** are gradually mixed in ratio of 5:1 by volume. The mix is then applied by brush on surface primed with TIKIDAN range of suitable primer or on surfaces coated with TIKIDAN range of polyurethane roof coatings and polyurea coatings as weather and U.V resistant topcoat.

Minimum two coats are recommended. Allow first coat to dry before application of second coat.

APPLICATION DATA

Properties	Values	Test Standard
Pot life @ 27 ⁰ C	2 - 3 hrs.	ASTM D 2471
Solids by Volume	65 – 70 %	ASTM D 2697
Flash Point	> 30 ⁰ C	ASTM D 3278

PROPERTIES OF MIX COMPONENT

Mixing Ratio (Resin : Hardener)	5:1 by Volume
Colour	White
Application	By Brush
Theoretical Coverage*	5 m ² /ltr./coat @140 micron d.f.t
Recommended Thickness	225 microns w.f.t (150 microns d.f.t)
Finish	Matt Finish

*Coverage is approximate and it depends upon the site conditions and surface porosity at the time of application.

PROPERTIES OF APPLIED PRODUCT

Properties	Values	Test Standard
Solar Reflectance Index (SRI)	114	-----
Tensile Strength	1 - 3 MPa	ASTM D 638
Elongation	80 - 100 %	ASTM D 638
Tear Strength	15 - 20 KN/m	ASTM D 624
Flexibility, 3mm Conical Mandrel Test	Passes	ASTM D 522
Drying Time		
Tack Free	2 - 4 Hours	ASTM D 1640
Hard Dry	24 Hours	
Pull-Off Adhesion Test	Concrete failure	ASTM D 4541

SUPPLY

DANOCOAT TC SR is supplied in 5 and 20 litre packs. It has a shelf life of 6 months when stored under the covered shed in sealed condition.

CLEANING

Immediately after application of **DANOCOAT TC SR**, use suitable aromatic solvent for cleaning application tools.

STORAGE

DANOCOAT TC SR must be stored above 5°C. Store under the shed & protect from extremes of temperature, heat, direct sunlight, sparks and children.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage of **DANOCOAT TC SR**.

VERSION: R1, 201901

Disclaimer: TIKI TAR DANOSA warrants that each of its products will be manufactured in accordance with the specifications in effect on the date of manufacture. While TIKI TAR DANOSA endeavors to ensure that information given herein is correct to the best of our knowledge, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. We recommend that adequate tests be performed by you to determine if this product meet all of your requirements.

Note: Properties subject to change as per specific requirement. Field service where provided does not constitute supervisory responsibility. Suggestions made by TIKIDAN either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not TIKIDAN, are responsible for carrying out procedures appropriate to a specific application. TIKIDAN reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.

TIKITAR DANOSA (INDIA) PRIVATE LIMITED

Tiki Tar Estate, Village Road, Bhandup (W), Mumbai - 400 078,
Maharashtra, India. T: +91 22 4126 6699

