

OVERVIEW

RANSTHANE-BLK is a single component; liquid applied hybrid Polyurethane modified bituminous elastomeric waterproof coating. Due to its excellent flexibility and thixotropic nature it is an ideal product for vertical and horizontal surfaces. RANSTHANE-BLK when applied on a surface, gives a continuous monolithic film which is rubbery and elastic in nature. The film is self-curing and cures by reaction with atmospheric moisture. It is a single component, anti-fungal, antibacterial, pollution free waterproof coating. Because of high solids, provides excellent and durable waterproof coating. RANSTHANE-BLK is UV stable heat reducer in nature, it can be left exposed if use in Aluminium/White Colour. It conforms to ASTM C-836 and application done conforming to C-898.

PROPERTIES

- Life and durability of the structure is increased.
- Easy application.
- No mixing or heating required.
- Lightweight compared to conventional roofing systems, thereby loading on the roofs is reduced. Provides seamless and joint free seal throughout the surface. Lower Labour cost due to easy, simple and quick application, leading to early completion and time saving.
- Excellent Adhesion to variety of substrates (Concrete, brick, wood, slates, metals, etc.)
- Highly resistance to cold as well as hot weather conditions.
- Very high elongation and crack bridging capability.

AREA OF USE

- Waterproofing of two-course concrete slab constructions.
- Parking garages, Shopping malls, Plaza areas, Bridge decks, Balconies, Planter boxes, Podiums and green roofs.
- Waterproofing of concrete roof slab.
- Waterproofing under terrazzo or tile floors.
- Positive side waterproofing of basements.
- Tunnels and subway systems.
- Waterproofing exterior concrete & plywood. Exterior below Grade on Concrete and Masonry. Above Grade between two course of concrete or masonry and cavity walls.

- Suitable for horizontal and vertical walls.
- For terrace gardens, swimming pools and basements, sandwich application is recommended. For details refer our technical department.

INSTRUCTIONS FOR USE

The application temperature should be between 5°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the waterproofing system are as follows:

SURFACE PREPARATION

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections and protrusions shall be removed and repaired with 'V' grooves filling and sealed with **RANSBITU-SEAL/RANSPOLY-SEAL/RANSPU-SEAL-1K**, Structurally unsound and friable concrete must be removed and repaired with a suitable **RANSCRETE-AP** concrete repair mortar.

APPLICATION PROCEDURE

- Prime the surface with **RANSTHANE-BLK PRIMER**. @0.2.5-0.4kgs/Sqmt/Coat. Depending on surface.
- After the primer coat is completely dried apply two coats of **RANSTHANE-BLK**. It is recommended to apply the 2-3 coats after the previous coat is totally cured. @ 0.5-0.6kgs/Sqmt/Coat.
- For better results use **RANS GLASS FIBRE REINFORCEMENT/RANS POLYSCRIM CLOTH**

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embedded into Primer coat of **RANSTHANE-BLK** while still wet.

- **RANSTHANE-BLK** could be diluted with Solvent such as Xylene/Toluene up till 10 - 15% for 1st coat & 2nd coat and 5 - 10 % for 3rd coat to make material workable and get the desired coverage. In some cases final layer would be as **RANSTHANE-BLK PRIMER** for finishing smoothly.
- **Protection by non-woven polypropylene geo-textile membrane of 120 gsm. And Screed/PP/Tiles or more.**
- All brushes and tools should be cleaned by solvent immediately after use.

PRECAUTION:

Mix only the required quantity of material, which can be utilized within stipulated pot life to avoid solidification.

Wash all the tools and tackles with industrial solvent immediately after the application is completed.

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

PACKGING & STORAGE

RANSTHANE-BLK is supplied in 5kg & 20kg pails/bucket.

Store containers in a clean dry area protected from direct sunlight and extreme heat and cold. Unopened containers can be stored for 6 months.

**TECHNICAL
DATA**

Product	Liquid Applied Polyurethane Modified Liquid Coating		
Base	Liquid, PU Modified Elastomeric Coating		
Appearance	Black		
Consistency	Paste like, Thixotropic		
Solids Content By Weight	80± 5% (ASTM C-836 & C-898)		
Elongation %	800±50 % (ASTM D-412)		
Specific Gravity	1.18±0.2 @20°C		
Tear Strength (N/Mm)	>15(ASTM D 624)		
Tensile Strength	3.1-4Mpa depending upon reinforcement provided. (ASTM D-412)		
Hardness, Shore A	>50 (ASTM D2240)	Density	1.5±0.05
Abel Closed Cup Flash Point	56°C	Viscosity	Viscous
Full Cure Time	72 Hrs.	Chemical Resistant	Good
Solar Reflection	No	Cracking on Weathering>500Hrs	No
Approximate Drying Time	6-8 hrs.	Service Temperature	+5°C to +45°C

PICTURES/IMAGES AT GLANCE



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