

# Technical Data Sheet - TDS



## CHEMCON

## RocShield SRX

High solid , high elastic Acrylic Roof waterproofing membrane

### PRODUCT DESCRIPTION

RocShield SRX is a single pack, high build, flexible, elastomeric roof coating , designed to use as a superior waterproof coating system for horizontal and vertical surfaces. RocShield SRX is permeable seamless membrane with excellent adhesion. It can absorb the possible shocks caused by the contraction and expansion of the substrate surfaces and has excellent solar reflection property. It contains anti fungal and anti bacterial additives. It has excellent resistance to water, moisture and UV rays. RocShield SRX is non- Toxic environment friendly usable. It allows concrete to breath whilst maintaining waterproofing characteristics, has excellent bond strength and fills bridges hairline cracks. RocShield SRX is well suited to protect expanded PU from deterioration by U. V. rays.

### TYPICAL APPLICATIONS

RocShield SRX is designed for application to roofs, terraces, balconies, domes, sandwich panels, corrugated sheets refurbishing coating works on minerals surfaced waterproofing membranes concrete facades and pitched and flat roofs constructed from a wide variety of materials i.e. concrete, lightweight concrete mosaic tiles, metal roofs, wooden roofs, asphalt, asbestos cement, slate. can be used as waterproofing and

protective coating for sloped concrete roofs & metal profile roofs. For better protection, if required, can be reinforced with RocFab ( fibre glass) mesh, while the intermediate coat is wet. It can hide the hairline cracks on surfaces and reduce the impact of harsh atmospheric conditions

### ADVANTAGES

- ▶ Easy and direct (cold applied) application..
- ▶ Very high reflectance properties
- ▶ Waterproofing and resistance to blistering.
- ▶ Insulation properties
- ▶ Waterproofing cum decorating of external plaster walls and old surfaces
- ▶ High build coating helps mask surface imperfections in concrete.
- ▶ Vapor permeable membrane, allows breathing of the substrate.
- ▶ Excellent bond strength.

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- ▶ Excellent dirt pick-up resistance over longer period of time
- ▶ Low VOC & non-toxic , UV protection and Washable.
- ▶ Solar reflective.
- ▶ Well suited to protect expanded PU foam from deterioration by U. V. rays.
- ▶ Single component
- ▶ Easy to apply by brush, roller or airless spray.

## DIRECTIONS FOR USE

**Surface Preparation:** Ensure that surfaces are clean, sound, stable and free of dirt, dust, grease and any other contaminants. Remove any traces of algae and fungal growth with a wire brush, treat with a fungicide solution and wash down with clean water. Old concrete may require grit blasting to remove old coatings or membranes

**Priming:** Prime porous surfaces with RocFloor Silicate or diluted RocShield SRX (25-40%). Priming will seal the surface and ensure maximum adhesion of the coating. Watchpoint: Do not apply RocShield SRX when rain is likely as full resistance is only achieved in the fully cured state.

**Application:** Typical RocShield SRX system: First coat x 500 µm (Dry Film Thickness) Glass fiber (While the first coat of is still wet.) Second coat of 1 x 500 µm (Dry Film Thickness) . Other RocShield SRX systems may be specified, depending on area of use

Generally, two coats of RocShield SRX are recommended for a satisfactory performance. However, in order to achieve the best results, a RocFab (Glass fiber matting) should be used, with the RocFab being embedded into the first coat of RocShield SRX while still wet. Allow to dry and inspect for imperfections that should be made good prior to application of second or any subsequent coats. Across joints it is recommended to bridge the joint and to install a closed cell polyethylene strip.

**Cleaning Tools:** Wash tools in water immediately after use. If product has set, remove with a knife and immerse in water.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Product representative or visit our website for current technical data and instructions.

### Disclaimer

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer? Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and GET makes no claim that these tests or any other tests, accurately represent all environments.

## TYPICAL PROPERTIES

Color	White
Consistency	Thixotropic
Density ASTMD 1475	1.25 +/- 0.05 @ 25°C
Elongation @ break	350% @ 25°C,ASTM D2370
Tensile Strength	>1.5[N/mm <sup>2</sup> ASTM D 412
Hydrostatic pressure at 5 bar [50m]	No leakage BS EN 12390 Part 8 : 2000
Application temperature	10°C to 50°C
Bond Strength	1N/mm <sup>2</sup>
Solar reflectivity	90%
Solid content ASTM C-83	65 ± 2 [%]
Flash point	N/A
VOC, [g/L]	Less Than 50 ASTM D 3960/ ASTM D 2369
Water vapor transmission,	Less Than 2 ASTM E 96
Chemical Resistance	Excellent

## COVERAGE

Typical RocShield SRX consumption will be 1Litre / m<sup>2</sup> / coat for 0.5 mm dft 2 coat application will give a combined Dry Film Thickness of 1.0mm

## PACKING AND STORAGE

RocShield SRX is supplied in 5kg & 20kg units and is available in white colour. Store in shaded warehouses away from heat, humidity or moisture. Shelf life will be 12 months.

## HEALTH & SAFETY

As with all CIL chemical products, care should be taken to avoid contact with skin, eyes, mouth and foodstuffs. Treat splashes to eyes and skin immediately, by thorough washing with clean water. If ingested seek medical attention.

## OTHER PRODUCTS AVAILABLE FROM CIL.

**RocCrete Combo** - A Two-Part acrylic Modified Highly flexible Cementitious Waterproof Coating.

**RocShield PUD30** - High performance Polyurethane dispersant based waterproofing coating

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