Technical Data Sheet - TDS

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RocShield X

Elastomeric,Acryilic Waterproofing and protective coating

PRODUCT DESCRIPTION

RocShield X is a single pack, high build, flexible, elastomeric roof coating based on weather resistant pigments, fillers and styrene acrylic ester resins. It allows concrete to breath whilst maintaining water-proofing characteristics, has excellent bond strength and fills and bridges hairline cracks.

The cured membrane provides excellent resistance to carbonation and prevents chloride ion ingress

FIELD OF APPLICATION

RocShield X is designed for application to pitched and flat roofs constructed from a wide variety of materials i.e. concrete, lightweight concrete, roof tiles, wood, galvanized steel, asphalt, asbestos cement, slate and tiles. Other applications include waterproofing bathrooms, wet processing areas and rooms where cementitious screeds will be overlaid.

COVERAGE

1L/m2/coat for 0.5mm Dry Film Thickness. Two coats will give a combined thickness of 1.0mm thickness.

ADVANTAGES

▶ High build coating helps mask surface imperfections in concrete.

▶ Vapour permeable membrane, allows breathing of the substrate.

▶ Excellent bond strength.

▶ Seamless & flexible for bridging hairline cracks.

▶ Solar reflective.

▶ 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.

New concrete can be coated once the initial water-curing period is over . Alternatively if RocCure CL is used coating may take place earlier.

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

Application: Apply RocShield X onto the surface in one direction taking care not to scrub the material or brush unevenly. Allow to dry and inspect for imperfections that should be made good prior to application of second or any subsequent coats. Apply second (and any subsequent coats) at right angles to the previous coats. The product can be supplied in many colours to allow easier differentiation between coats.

At upstands and across joints it is recommended that a geotextile mesh be imbedded in the coating. This will increase the physical properties and will aid distribution of localised stresses. The mesh should be applied as a sandwich between the first and second coats of RocShield X.

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.

PACKING & STORAGE

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

TYPICAL PROPERTIES

Service Temp:	65 +/- 15°C
Specific Gravity:	1.30 +/- 0.05 @ 25°C.
Bond Strength:	Greater Than 1.5N/mm².
Tensile Strength	1.0 N/m²
Drying Time:	Min 6 Hours@30°C
Crack Bridging Ability ASTM C 836	0.5mm
Elongation at Break	100%
Water Penetration(DIN 1048)	Nil,tested at 5 bar pressure
VOC	< 50 g/l

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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