

Technical Data Sheet - TDS



RocShield PUD30

High performance Polyurethane dispersant based waterproofing coating

PRODUCT DESCRIPTION

RocShieldPUD30 is A hybrid elastomeric waterproofing, new technology based on acrylic and urethane emulsion, offering a complete waterproofing protection system. It forms a highly elastic, seamless membrane providing excellent protection from moisture and standing water. It has excellent adhesion to most commonly used roof substrates such as concrete, asphalt membranes, cement tiles. after proper preparation or/and priming with RocBond AR Primer. Shows very low water uptake and crack bridging ability. It is a single pack water based, waterproofing and protection.

ADVANTAGES

- ▶ Excellent UV resistance, High elastic recovery
- ▶ Good Abrasion resistance
- ▶ Good resistance to ponder water
- ▶ Excellent Chemical resistance
- ▶ Excellent bond strength.
- ▶ Solar reflective.
- ▶ Single component. Easy to apply by brush, roller or airless spray.
- ▶ Application on cementitious, metal roof surface Facade area

TYPICAL APPLICATIONS

RocShieldPUD30 is designed for application to Profile sheets, Sunken slabs, Inverted and flat Roofs, Concrete Domes, terraces, balconies, basements, bridges and tunnels.

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 after 7 days of curing. It is recommended to use a light mechanical grinder for cleaning. Cracks and pot holes should be repaired with suitable concrete repair Products from CIL.

Steel Surfaces: The substrate should be abraded and preferably shot blasted with grit. If steel blasting is not practical, pre-treatment must be carried out with premature descaling guns, the surface should be then cleaned with a strong solvent or a detergent to remove any grease or any oil contamination. The cleaned surface must be coated as soon as possible before the formation of any rust or scale.

Watch point: Do not apply RocShieldPUD30 when rain is likely as full resistance is only achieved in the fully cured state.

Application: Apply RocShieldPUD30 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.

Cleaning Tools: Clean tools with CIL Solvent immediately after use.

COVERAGE

1Kg /m² at 0.5 mm thickness. Two coats will give a combined thickness of 1mm.

PACKAGING & STORAGE

RocShieldPUD30 supplied in 5kg & 20kg units and is available in white, grey and other color on request. 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.

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RocCrete C40 - acrylic modified, flexible cementitious, protective coating.

RocCoat WBX- Bitumen emulsion foundation protection coating.

RocCoat SBX - solvented coating & primer.

TYPICAL PROPERTIES

Color	White, Grey and other color on request
Specific Gravity :	1.25 +/- 0.1 @ 25°C.
Initial Cure @30°C	24Hours
Full Cure @30°C	7 Days
Min Drying Time:	2-3 Hours @30°C
Tensile Strength ASTM D412	➤ 1 N/mm ²
Crack bridging	➤ 1.0 mm
Elongation ASTM D412	➤ 300 %
Solar Reflective Index	➤ 80
Tear Strength ASTM D1004	➤ 7N/mm
Application Temp	+ 5 to 45°C
Chemical resistance	Dilute acids alkalis , chlorides, oil etc.
VOC g/L	< 50

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

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