

# Technical Data Sheet - TDS



# CHEMCON

## RocShield P30

Polyurethane modified  
Waterproofing and Protection coating

### PRODUCT DESCRIPTION

RocShield P30 is an elastomeric waterproofing and protective coating for concrete structures with new technology based on acrylic and polyurethane emulsion offering a complete waterproofing protection system. It forms a highly elastic, seamless membrane providing excellent protection from moisture and standing water. Shows very low water uptake and crack bridging ability

### ADVANTAGES

- ▶ High elastic recovery, resistance against chlorides, sulphates, bacteria, oil and common fuels.
- ▶ Good Abrasion resistance
- ▶ Good resistance to ponding water
- ▶ Excellent Chemical resistance
- ▶ Excellent bond strength.
- ▶ Solar reflective. Excellent UV resistance, weatherability properties
- ▶ Single component. Easy to apply by brush, roller or airless spray

### TYPICAL APPLICATIONS

RocShield P30 is designed for application on bathrooms, Kitchen, terraces, balconies, basements, bridges and tunnels and to Profile sheets, Sunken slabs, Inverted and flat Roofs, Concrete Domes etc

### 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

# CHEMCON

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.

**Application:** Apply RocShield P30 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. For Anti-skid surfaces Use CIL grades of aggregates.

### COVERAGE

1.0kg/m<sup>2</sup>/coat for 1.0mm DFT in 2 coats.

### PACKAGING & STORAGE

RocShield PH30 is 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.

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

**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
Drying Time:	2-3 Hours
Tensile Strength ASTM D412	➤ 2N/mm <sup>2</sup>
Crack bridging	➤ 1.2mm
Elongation ASTM D412	>500 %
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]	Very low

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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