

Rocky ACWP

Description

ROCKY ACWP is a water based acrylic liquid membrane. It is easily applicable on horizontal and vertical surfaces. Once cured it forms a continuous waterproofing membrane resistant against the thermal changes and the ultraviolet rays.

Use

Sloped Concrete roofs, metal profile roofs, asbestos roofs, domes
 Protective coating for Polyurethane sprayed foam against UV effect
 Protective coatings on underpasses & concrete bridge decks

Advantages

Easy to apply, Single Component
 Eco-friendly - water based
 UV and Weathering Resistant
 Good resistance to Chloride Ions and Carbon Dioxide diffusion

Technical Properties

Appearance	Fluid paste
Standard color	white, grey other colors on request
Density at 25°C	1.25 kg/L
VOC	negligible
Chemical resistance	Resistant to dilute alkalis, diesel, petrol
Solid content	55+5%
pH	8-9
Extension of Breakup	> 350%
UV Resistance	No effect after 1,000 hrs.
Adhesion to concrete	> 1.0 N/mm ²
Crack bridging Ability	> 1.0 mm
Impermeability to water	1.5 bar (waterproof)
Superficial film formation	50 minutes
Complete hardening at +25°C	7 days
Temperature of application	-5°C to +35°C

Rocky ACWP

Crack treatment

Shrinkages and non-moving structural cracks less than 1.0mm shall be filled with a pre-treatment strip of ROCKY ACWP of 1.0mm thick extended to 75 mm on both sides of the crack. Voids and honeycombs shall be patched with ROCKY SUPERIOR FINISH 3-6 allowing the area to cure before applying the membrane.

Right angle bends

All right-angle bends must have a coving detail installed. In areas where parapet walls, columns, pipe penetrations are present, a 45° coving fillet shall be made at all corners using ROCKY REPAIR FIBER, a Fiber reinforced shrinkage-controlled mortar for concrete repair to the water saturated cured surface.

All other angles, joints, protrusions and stress joints should be pre-treated with a heavy application of ROCKY ACWP extending 150mm on both sides of the coving.

Priming

ROCKY ACWP diluted with 15% water shall be applied as a primer coat on the concrete surface to seal pores and stabilize the surface. The primer coat can be applied by brush roller or airless spray and should be allowed to dry before application of the coating.

Mixing

ROCKY ACWP should be stirred before use until a uniform color and consistency is achieved. Product is ready for use.

Application

ROCKY ACWP shall be applied by brush, roller, or airless spray in 2 coats to achieve a minimum dry film thickness of 0.5 mm for each coat. The two coats must be applied at right angles to one another once the first coat completely dries.

Substrates that are exposed to movements and deformation or where cracks are expected, a reinforcing glass fiber mesh shall be spread into the first coat of ROCKY ACWP before applying the second coat.

A layer of fiber glass mesh should be embedded between the two ROCKY ACWP coats over pipe culverts, floor drains, corner joints and floor / wall junctions.

It is recommended to spread sufficient clean silica and to the final wet coat of ROCKY ACWP before applying adhesives.

Cleaning

All tools employed for the application of ROCKY ACWP can be cleaned with water before it hardens.

Cured materials should be mechanically removed.

Recommendations

ROCKY ACWP is not recommended for use in swimming pools

After curing, tiles and flags can be laid with an appropriately specified Rocky-SCM adhesive over

ROCKY ACWP layer on vertical and horizontal areas

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Surface Preparation

The surface of the concrete shall be sound, clean and uncontaminated.

This preparation shall be such as to leave a sound exposed concrete surface free from dust, loose particles and any deleterious matter. If the concrete surface is defective or has laitance, it must be cut back to a sound base.

Moss and lichen must be removed physically followed by treatment with fungicidal wash. After treatment, it must be washed down thoroughly with clean water and allow to dry.

Coverage

ROCKY ACWP is supplied in 20 kg plastic containers.

Consumption: Approximately 2.3 kg / m² for 1 mm thickness.

Shelf Life & Storage

Keep the product at a temperature not less than +5°C and not more than +30°C in a tightly closed container. In these conditions ROCKY ACWP maintains its characteristics unchanged for 12 months.

Health & Safety

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting

Important Note

The information in this Technical Data Sheet is based on Rocky-SCM Canada's experience. Rocky-SCM does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Rocky-SCM Data Sheets are updates on regular basis. It is the user's responsibility to obtain the latest version.