



AcrCoat

A Premium Grade Elastomeric Waterproofing Membrane

Description

SPARTAN AcrCoat is a single pack, water based, high build waterproofing membrane for the sealing and long term protection of exterior surfaces.

The coating combines a high degree of flexibility with considerable cohesive strength and water resistance, and it has the ability to absorb considerable substrate movement to bridge development cracks.

Uses

SPARTAN AcrCoat can be applied to all common building materials such as concrete, render, aluminium, steel, cement sheet, masonry, bricks, woods, etc.

Ideal for use to waterproof external facade roof-tops, etc.

Advantages

- *Water based*
- *Very flexible and elastomeric*
- *Excellent adhesion to all commonly used building*
- *Excellent dirt pick up resistance*
- *Non flammable*
- *Non Toxic*
- *No application hazards*
- *High scrub and wash resistance*



Technical Data

Type	Acrylic Copolymer
Density	1.2 -1.3kg / litre
Elongation at break	>300%
Tensile Strength	>2.5 MPa
Adhesion Strength	>2Mpa
Crack Bridging	>2mm
Hardness Shore A	Approx. 60
Spread rate	1 - 4m ² / litre / cost
Resistance to water	Excellent
Resistance to acids	Limited
Resistance to solvents	Fair
Flash point	None
Resistance to fungi/alkali/oils	Good to Excellent



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Surface Preparation

All surfaces must be free of grease, oil and dust. Very smooth surfaces should be roughened for better adhesion.

Loose rust, moss, lichens, crumbling cement, deteriorated fibre cement and degraded bituminous substances must be removed either mechanically or chemically.

Surface faults such as blisters, holes and cracks should be cleaned out, then repeat until filled or at least sealed.

Small hairline cracks can be painted with SPARTAN AcrCoat - brush in, allow to dry, then repeat until filled or at least sealed.

Adhesion to porous substrate can be improved by priming with SPARTAN AcrPrimer. This is recommended because these surfaces can be very weak and consequently when a coating of AcrCoat is pulled up it actually tears away the surface to which it is bonded, (e.g concrete - concrete failure). Sealing with SPARTAN AcrPrimer greatly reduces this type of potential failure.

Application

SPARTAN AcrCoat may be applied direct to all common building substrates, i.e. concrete, render, aluminum, steel, cement sheet, masonry, brick. Some priming required depend on substrate condition.

Apply two or more coats to obtain recommended total thickness by brush, roller, spread bar or airless spray gun. Ideal application temperature between 10-30°C and relative humidity 30 - 80%. In rapid drying conditions, mask large areas into smaller zones to help obtain an even application and appearance.

Rinse brushes, etc., frequently in water to prevent drying/clogging. Keep containers closed to minimise skin formation.

In fast drying weather conditions, adhesion to unsealed absorbent or porous surfaces is significantly improved by using SPARTAN AcrPrimer.

Thickness of Membrane

For wall - 2 coats = 0.5 - 0.6mm

For roof - 4 coats system = 1.5 - 2mm (with netting)

Remarks: Primer might require for re-roofing, damp concrete (Please consult manufacturer for recommendation.)

Packaging

5 and 20 Litres plastic pail

Coverage

Flat Roofs:

500 micron dry film thickness, i.e. 1.1sq metre/litre.

Pitched Roofs:

370 micron dry film thickness, i.e. 1.5sq metre/litre.

Walls(smooth):

250 micron dry film thickness, i.e. 2.2sq metre/litre

High Movement/ likely Cracked areas:

1000 micron dry film, i.e. 0.5sq. metre/litre

Junction/ joints:

500 - 1000 micron dry film, i.e. 0.5-1.1sq. metre/litre
(reinforce with nylon, polyester, fibre glass etc., fabric)

Shelf Life

Up to 12 months in unopened containers stored in a cool, dry place.