

Blockflex

Long Life, Elastomeric Decorative Coating

Description

High quality, extremely durable, single-pack, waterproof acrylic membrane. It cures into a tough, elastic protective barrier and is used as architectural decorative coating for major commercial and residential construction.

Uses

Blockflex is a general purpose decorative and protective coating for all cement render, texture render, previously painted surfaces, precast or tilt-up panels, façades, single skin concrete block, clay block to walls, parapets, planters or any exterior vertical application.

Chemind Blockflex can be applied to most prepared masonry and rendered surfaces, as well as brick, FC, CFC, ALC, metal or timber.

Features

- No toxic or hazardous ingredients
- Water clean-up and low odour
- Environmentally friendly
- Simple application and fast cure
- Total adhesion - no water tracking
- Resistant to UV and wind driven rain
- Non-staining, single pack - no mixing
- Economical and multi-purpose
- Forms a seam free, permanently flexible membrane barrier that moves with the structure.
- Exceeds test requirement for chloride ion and carbon dioxide diffusion into concrete as required by Taywood Test. Protects against concrete cancer
- Contains linear micro-fibres to assist with bridging cracks in the substrate
- Systems for Total Project Specification
- Fully compatible with Chemind Aquagard Blue, Fastflex, Newflex and Hydroflex

Typical Properties

Appearance	White thixotropic paste
Composition	Acrylic Co-Polymer
Solids Content	68%
Service Temperature	-30°C to 70°C
Application Temperature	5°C to 30°C
Surface Dry Time	½ hr (0.2mm wet @ 25°C)
Elongation	600%
Permeance (ASTM E96)	0.1 mg/cm ² /24 hrs
S.G.	1.25 g/ml
UV Resistance	Excellent
Accelerated Weathering (ASTM D822A)	No effect

Preparation

Surfaces to be waterproofed must be sound, smooth and free from dust, loose matter, oil, grease or other contaminants.

All surface defects shall be repaired using Chemind Chembond modified mortar.

Use Chemind Chemflex LM polyurethane sealant to fill joints, cracks, gaps and form fillets at internal corners or penetrations.

Application

Detailing

Seal all internal corners, joints, cracks, gaps, outlets and penetrations with 150mm wide cut strip of Chemind Fibreglass Reinforcing Mat, embedded carefully between two heavy coats of Blockflex and centred over the joint or centred equally to secure penetration.

Allow such reinforced detailed areas to fully cure before proceeding with subsequent coats.

Application of Continuous Membrane

Apply Blockflex membrane by brush, roller or spray in two or more coats to give the desired continuous membrane coating thickness.

When applying by roller, laying off final coat uniformly in one direction and making all side overlaps before surface of coating begins to set can achieve optimum finish of Blockflex.

Allow to dry fully between coats.

- Walls
 - ◆ Apply a minimum of two coats of Blockflex to achieve a minimum dry film thickness of 0.2 mm.
 - ◆ Consumption will vary depending on porosity and surface contours, but will average 4-6 m²/litre per coat.
- High Build Texture
 - ◆ Chemind Chembond modified mortar may be applied by trowel or hopper spray to give a variety of surface texture effects to concrete, concrete masonry or brick.
 - ◆ This texture render finish may then be fully waterproofed using Blockflex in the method specified above.
- Medium Build Texture
 - ◆ Various texture finishes may be achieved with the use of specialised paint pattern rollers. Consumption will vary depending on texture design and surface profile.

NOTE:

Dark colours may not be available in Blockflex. Where dark accent or feature colours are required, premium quality exterior grade acrylic paints may be used directly over Blockflex.

Colours

Blockflex may be factory coloured to project requirements in batch quantities. It may be coloured on-site to achieve many medium range colours using water-based tinters.

Coverage

Total consumption for Blockflex decorative membrane is approx. 0.3-0.5 litres/m². For heavy textures, usage rate may be as high as 1 litre/m².

Packaging

Blockflex is packed in 15 litre plastic pails.

Shelf Life

Unopened or resealed pails of Blockflex will have a shelf life of 2 years from date of manufacture if stored in a dry, cool place.

Clean-up

Remove uncured Blockflex with water. Chemind GP Solvent may assist with the removal of cured product. Exercise care when using solvents. Please review all MSDS before use.



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