Dribond CONSTRUCTION CHEMICALS

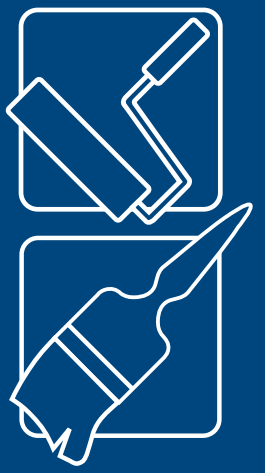
Elastakote

Flexible acrylic waterproofing coating

Packaging

Mixing

Application



Uses

Substrates

- Roofs
- Concrete and terracotta
- Cement sheet
- Walls
- Brick, Block
- Cement render
- Concrete
- Cement sheet

Description

A premixed, one-pack, heavy duty, elastic water-based, acrylic coating that is easily applied to form a resilient barrier over concrete and masonry roofs and walls. **Elastakote** will waterproof the substrate and protect it from weather and atmospheric degradation. **Elastakote** will remain elastic and will bridge and seal hairline cracks.

Uses

A durable elastic coating for the protection of exterior and interior concrete and masonry roofs and walls. **Elastakote** is mould and mildew resistant, bridges hairline cracks and accommodates the movement in the substrate protecting it from weather, moisture, UV light, atmospheric chemicals and carbonization of concrete.

Features

- Easy to apply - water based
- Flexible coating accommodates substrate movement
- Excellent weather, UV light, chemical and CO_2 and water vapour resistance
- Mould and fungi resistant
- Excellent bond to most building materials
- Bridges and seals hairline cracks
- Will not peel or blister
- Available in a range of colours

Coverage (Approximate)

6m²/litre at 100 microns thick. Two coats required for normal applications. Three coats for severe applications.

Performance Data

Surface Water Absorption
BS1881 part 5 section 6
Short term (1 hour) 0.0000 ml/m²/sec
Long term (24 hours) 0.0003 ml/m²/sec
Reduces moisture absorption by 99%

Adhesion to Substrate (ASTM D4541) 2.3MPa

Tensile Strength (ASTM D412) 1.25MPa

Elongation (ASTM D412) 360%

Crack Bridging - able to bridge cracks up to 1mm wide

Weather Resistance - 2000hr QUV. Slight chalking

Chemical Resistance - resistant to mild alkali and acids

Specification

The coating shall be a water-based, flexible, acrylic coating able to reduce water absorption by 99%, have a tensile strength of 1.25MPa and minimum elongation of 360% and be capable of bridging cracks up to 1mm such as **Elastakote** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's application instructions.

Surface Preparation

Sound, previously painted or primed surfaces
Scrub thoroughly with detergent and water and abrade with a wire brush or sand down to obtain a good mechanical key.

Absorbent masonry surfaces
Seal with **Primebond** diluted 50/50 with water.

Timber
Prime with an acrylic water based primer.

Concrete, brick, cement, etc.
New concrete must be a minimum of 25MPa and 28 days old and free of mould oils. Brush and clean away loose dust and other contaminants and repair surface defects.

Smooth concrete
(e.g. steel trowelled concrete) must be mechanically abraded, washed clean thoroughly with water and a hard brush. Let dry, then prime the surface with a 50/50 **Elastakote**/water solution.

Structural cracks
Liable to move and over 1mm wide must be bridged with an open weave 150mm wide fibreglass mesh. The mesh should be bedded into a wet thin coat of **Elastakote**, allowed to dry, then covered with another coat and allowed to dry. This is then followed by two normal coats.

Mould infested surfaces
Remove loose flakey paint and wash down surface with a solution of Hypochlorite (household bleach) diluted with three parts water. Leave the solution on the wall for 10-20 minutes and rinse off with clean water.

Application

Apply two or more coats for permanent results. Apply the second coat at 90° to the first as soon as it is dry. Apply thickly with a soft nylon brush roller or airless spray for best results. Apply at temperatures between 10°-30°C. Recoat time is two hours at 20°C. The coating is 80% cured in seven days and fully cured in 28 days.

Crack Bridging

The coating thickness must equal the crack width to maintain a seal.

Cleaning

Clean equipment immediately after use with water. Cured materials is removed using a petroleum solvent, e.g. MEK or Xylol.

Shelf Life

2 years

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