

DECTECK F

USE WITH DECTECK PRIMER W

Product Codes

ACR21, ACR22, Packaging listed overleaf

Description

Decteck F is a pre-packaged, water based, acrylic modified, flexible, decorative and protective surface coating. The product has high build anticarbonation properties and due to the applied coating flexibility, coating allows substrate movement and provides excellent crack bridging ability. The coating also provides a waterproof coating that gives resistance to the ingress of deleterious substances harmful to reinforced concrete or masonry. It is specially formulated to be microporous to prevent the build up of pore water pressure or condensation on the inside face of treated walls. Decteck F may be applied by spray, roller or brush onto a wide range of construction materials including concrete, masonry, wood and suitably primed metal. A full range of colours is available to special order to British Standard or Euro Codes.

Decteck F is non-drip and may be applied as a smooth or textured finish with a low sheen which diffuses irregularities in surface profiles. The coating is applied over Decteck Primer W and has excellent adhesion to construction substrates, is based on colourfast pigments and is resistant to ultraviolet light. The finished coating is designed to give resistance to carbonation and attack from other weather born agents. The application of the coating at a dry film thickness (DFT) of 0.2mm is equivalent to 745mm of concrete cover.

Specification Outline

Anticarbonation protective coating shall be carried out using Decteck F as manufactured by Tecroc Products Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN 9002:1994 and is assessed by SGS Yarsley International Certification Services Ltd.

Uses include: Prevention of carbonation and sulphate attack in concrete and other cementitious materials. Waterproof, protective and decorative coating. Protection against ingress of de-icing salts weathering and the effects of freeze/thaw cycles.

Typical Coating Properties

CO₂ diffusion coefficient at DFT 200µm

1.0 x 10⁻¹¹ m² / s

Equivalent air thickness R = 298m

Equivalent thickness of concrete Sc = 745mm

Water vapour diffusion coefficient at DFT 320µm

3.25 x 10⁻⁸ m² / s

Equivalent air thickness sd = 248mm

Klopfert criteria for acceptable anticarbonation coating

R greater than 50m

sd less than 4m

Taylor Woodrow certificates available on request.

Wet spread rates

Decteck Primer W 6m² / litre

Decteck F 5m²/litre/coat gives DFT 100µm / coat

Apply 2 coats to achieve minimum of 200µm DFT

DFT range 220µm to 330µm

Volume solids Decteck F

55%

Drying times @ 20 °C

Touch dry	Film dry	Overcoat
2 - 4 Hours	4 - 8 Hours	4 - 8 Hours

Times will vary with temperature, humidity and air movement.

Elongation At Break

Film thickness 0.15mm:

Elongation 120% (1.0cm stretched to 2.2cm)

Film thickness 0.35mm:

Elongation 300% (1.0cm stretched to 4.0cm)



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