

# 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 ISO 9001:2000 and is assessed by SGS Ltd Systems and Services Certification.

**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

#### CO<sub>2</sub> diffusion coefficient at DFT 200µm

$1.0 \times 10^{-11} \text{ m}^2 / \text{s}$

Equivalent air thickness R = 298m

Equivalent thickness of concrete Sc = 745mm

#### Water vapour diffusion coefficient at DFT 320µm

$3.25 \times 10^{-8} \text{ m}^2 / \text{s}$

Equivalent air thickness sd = 248mm

#### Klopfer 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 6m<sup>2</sup> / litre

Decteck F 5m<sup>2</sup>/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)



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

**Head Office**  
Holly Lane Industrial Estate  
Atherstone  
Warwickshire  
CV9 2RN  
Tel: 01827 711755  
Fax: 01827 711330

**Irish Distributor**  
Construction Chemical Supplies  
Unit 219  
JFK Road JFK Industrial Est  
Dublin 12  
Tel: 00 353 1 450 3896  
Fax: 00 353 1 450 3298

Web site: [www.tecroc.co.uk](http://www.tecroc.co.uk)

E-mail: [enquiries@tecroc.co.uk](mailto:enquiries@tecroc.co.uk)

