

DECTECK S

USE WITH DECTECK PRIMER S

Product Codes

ACR23, ACR24, Packaging listed overleaf

Description

Decteck S is a pre-packaged, solvent based, acrylic modified, flexible, decorative and protective surface coating. The product has high build anticarbonation properties plus the applied coating gives a degree of flexibility. 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 S 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 S is non-drip and when applied has a smooth finish with a high sheen. The coating is applied over Decteck Primer S 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 0.14mm is equivalent to 357mm of concrete cover.

Specification Outline

Anticarbonation protective coating shall be carried out using Decteck S 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

CO₂ diffusion coefficient at DFT 140µm

$1.46 \times 10^{-11} \text{ m}^2 / \text{s}$

Equivalent air thickness R = 143m

Equivalent thickness of concrete Sc = 357mm

Water vapour diffusion coefficient at DFT 140µm

$1.56 \times 10^{-8} \text{ m}^2 / \text{s}$

Equivalent air thickness sd = 240mm

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 S 4 - 10m² / litre

Decteck S 5.7m² / litre / coat.

This coverage gives DFT 70µm / coat

Apply 2 coats to achieve minimum of 140µm DFT

Volume solids Decteck S

40%

Drying times @ 20 °C

Touch dry	Film dry	Overcoat
1 Hour	2 Hours	2 Hours

Times may vary with ambient conditions.



Grouts



Structural Support Mortars



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Waterproofing



Ground Engineering

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Instructions For Use

Preparation

All surfaces to which Decteck S is to be applied must be thoroughly prepared. All substrates should be sound with all loose friable material removed.

All surfaces should be dry and new concrete should have a residual surface moisture content of less than 8%. Heavily contaminated surfaces must have dust, dirt, oil, grease, previous coatings or organic growths removed. This may be achieved by water jetting, grit blasting or mechanical means. All loose dust and debris should be blown out of cracks and crevices by oil free compressed air.

Any patch repairs should be carried out using the Tecroc Concrete Repair System.

Mixing

Decteck S should be used direct from the tin. No additional thinners should be added.

Application

Following all preparation and repairs, the surface should be primed with Decteck Primer S at a spread rate of approximately 4 - 10m² per litre dependant on the surface porosity. Allow the primer to achieve a touch dry surface. Time scale approximately 20 minutes in drying conditions.

To the primed surface apply Decteck S by brush, roller or airless spray. To achieve a dry film thickness of 140µm, to give full anticarbonation properties, the wet theoretical spread rate is two coats each at 5.7m² per litre.

Note that the actual spread rate will vary with surface profile or texture. The second coat should be placed after the first coat is dry. Time scale approximately 2 hours depending on ambient conditions.

Decteck S should not be applied at temperatures less than 5°C or if relative humidity is above 80%. It should not be applied in damp/wet conditions or if rain is threatened before drying can take place.

Precautions

Health & Safety

Decteck S and Decteck Primer S are solvented resin based products. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately.

Full health and safety data are given in Product Safety Data Sheet.

Fire

Decteck S is flammable.

Decteck Primer S is flammable

Yield

Decteck Primer S is applied at 4m² to 10m² per litre.

Decteck S is applied at 6m² per litre per coat.

Storage And Shelf Life

Decteck S and Decteck Primer S should be stored under cover within the temperature range of 5°C to 32°C. These products must be protected from frost. Under these storage conditions the products will have a shelf life of 12 months.

Packaging and Ordering

Decteck S is supplied in 5 litre tins.

5 litre tins Product Code ACR23

Contract packs are available to special order.

Decteck Primer S is supplied in 5 litre tins

5 litre tins Product Code ACR24

For further information and sales please contact your local Tecroc Products office as listed below.

Tecroc Products Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Tecroc Products Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Tecroc Products Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.

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