DECTECK W

USE WITH DECTECK PRIMER W

Product Codes

ACR25, ACR22 Packaging listed overleaf

Description

Decteck W is a pre-packaged, water based, acrylic modified, decorative and protective surface coating. The product has high build anticarbonation properties and 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 W 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.

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 has a sheen finish and 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 380mm of concrete cover.

Specification Outline

Anti-carbonation protective coating shall be carried out using Decteck W as manufactured by Parex Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Quality Assurance

Parex Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2008 and is assessed by UK CARES 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

CO_2 diffusion coefficient at DFT 138μm

1.36×10^{-11} m^2 / s

Equivalent air thickness R = 152m

Equivalent thickness of concrete Sc = 380mm

Water vapour diffusion coefficient at DFT 141μm

8.82×10^{-9} m^2 /s

Equivalent air thickness sd = 410mm

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^2 / litre

Decteck W 5.7m^2 / litre / coat gives DFT 70µm / coat

Apply 2 coats to achieve minimum of 140µm DFT

Volume solids Decteck W

40%

Drying times @ 20 °C

Touch dry	Film dry	Overcoat
30minutes	2 Hours	2 Hours

Times will vary with temperature, humidity and air movement.

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Instructions For Use

Preparation

All surfaces to which Decteck W is to be applied must be thoroughly prepared. All substrates should be sound and dry, with all loose friable material removed. 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 W should be used direct from the tin. No additional water shouild be added. Mix thoroughly before use.

Application

Following all preparation and repairs, the surface should be primed with Decteck Primer W at a spread rate of approximately 6m² per litre dependant on the surface porosity. Allow the primer to achieve a touch dry surface. Time scale approximately 30 minutes in drying conditions.

To the primed surface apply Decteck W 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 5.7m^2 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 W should not be applied at temperatures less than 5^{o}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 W and Decteck Primer W are 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 W is non-flammable.

Yield

Decteck Primer W is applied at 6m^2 per litre.
Decteck W is applied at 5.7m^2 per litre per coat.

Storage And Shelf Life

Decteck W and Decteck primer W 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 W is supplied in 5 litre tins.
5 litre tins Product Code ACR25
Contract packs are available to special order.
Decteck Primer W is supplied in 5 litre tins
5 litre tins Product Code ACR22

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

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