CORROCOAT

Corroglass

Product reference 1/17

Product title Corroglass AR4 Veilcoat

Valid from 27th November 1997

Type

A two-pack cold cured modified vinyl ester/acrylic co-polymer veilcoat.

Suggested use

Corroglass AR VEILCOAT has been specially formulated to offer the best resistance to base environments, e.g. sodium hydroxide and sodium hypochlorite, the resin and cure system having been modified to impart the optimum resistance to these environments. Corroglass AR Veilcoat is to be used as a surface veil in certain applications where the glass present in the AR4 may be attacked by the environment.

Health & safety

Before commencing work, read the product health & safety data sheet. Corroglass AR Veilcoat should only be used by adequately trained personnel.

Surface preparation

Apply over suitable Corroglass AR4.

Application equipment

For spray application use a Graco King 45:1, or similar, airless pump, 10mm diameter (3/8") nylon spray line. Large bore mastic type gun with 30 to 60 thou reversible or titan adjustable tip.

May be hand applied using a brush, roller or trowel.

Application

Corroglass AR Veilcoat is normally applied at wet films between 250 and 500 microns.

Mixing ratio

98:2 base to hardener.

Hardener type

Catalyst type - benzoyl peroxide.

Pot life

Approximately 55-65 minutes at 20°C (may vary dependent upon temperature and age of product).

Thinners

The performance of Corroglass AR Veilcoat may be significantly affected by the addition of styrene.
Do not add solvent thinners.

Packaging

20 litre composite kits.

Storage life

6 months if stored at temperatures below 20°C and away from direct heat and sunlight.

Colour availability

Unpigmented or black.

Recommended DFT

250 microns minimum dependent upon service conditions.

Corrocoat Ltd, Forster Street, Leeds LS10 1PW Tel +44 (0) 113 276 0760 Fax +44 (0) 113 276 0700 **www.corrocoat.com**

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Theoretical spreading rate
2.0m²/litre at 500 microns.

Volume solids
This material contains volatile liquid convertible to solids. Volume solids obtained will vary dependent upon polymerisation conditions. Nominally 99% of the contents are convertible to solid.

Practical spreading rate
3.0m²/litre at 250 microns.

Note: This information is given in good faith but may increase dependent upon environment conditions, the geometry and nature of work undertaken and the skill and care of application. Corrocoat accepts no responsibility for any deviation from these values.

Hardness
40 Barcol.

Overcoating
May take place as soon as the previous coat has gelled and whilst still tacky. Maximum overcoating time 72 hours at 20°C.

Once the maximum overcoating time has been reached, the adhesion values attained by any subsequent coat will reduce dramatically. It is important to observe maximum overcoating times and note these will vary with climatic conditions. Any further application of coating at this juncture should be treated as a repair, with the surface flashed over to provide a physical key. Styrene cannot be used to reactivate the surface and may in some cases impair adhesion.

Elongation at break
0.3%

Dielectric strength
18 - 25 x 10^3 V/mm

Tensile strength
26.5 N mm^{-2} (3845 PSI)

Temperature limits
82°C immersed.

Curing time
Tack-free after 24 hours at 20°C. Full cure after 4 days. A cure of 7 days at a minimum temperature of 15°C prior to service is recommended for this product.

Cleaning solvent
Methyl ethyl ketone, acetone and methyl iso butyl ketone prior to gelation.

The physical data contained on this sheet will vary dependent upon the effectiveness of cure which is variable with application and environment conditions The figures given are average values for well cured material. For additional information contact Corrocoat Technical Services.

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