

POLYGLASS

Polyglass VE Hand Applied

Product reference: 2/25

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Product title: Polyglass VE Hand Applied

Valid from: 9th July 2018

Last reviewed: May 2019

Type

A two-pack, Vinyl ester/acrylic glass flake for hand application. Except for viscosity this product has similar properties to the spray applied version of Polyglass VE/VEF.

Suggested use

Stripe coating and areas where spray application is impractical.

Limitations

See limitations on main product sheets Polyglass VE & VEF.

Health & safety

Before handling or using this product the material safety data sheet should be read and all precautions observed.

Surface preparation

For optimum performance of these products under immersed conditions, grit blast steel to ISO standard 8501-1 Sa 2½ near 3 or equivalent, prior to application. For full details refer to Corrocoat Surface Preparation SP1.

Application equipment

Brush or trowel.

Application

When used alone two or more coats of Polyglass VEHA should be applied until a minimum DFT of 650 microns has been achieved, over thickness is not detrimental. When used as a stripe coat a single layer of circa 300um should be applied, or as otherwise specified. (See below for overcoating intervals.)

Mixing ratio

Polyglass VEHA can be catalysed by a 2% weight addition of Corrocoat catalyst type P2.

Mixing procedure

Material is supplied in kits, each consisting of the base component (large tin) together with the appropriate amount of catalyst (plastic bottle). Add 1 bottle of catalyst to a tin of base material and agitate with a **mechanical** mixer for circa 20 minutes. Ensure **all** material is thoroughly mixed especially the bottom **corner of tin**.

Pot life

60 minutes at 20°C. Pot life will reduce **substantially** with increase in temperature and extend with decrease in temperature. Inhibitor is available to extend pot life for hot climates. Mix inhibitor well and before catalyst.

Volume solids

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

Theoretical spreading rate

2.0m²/litre at 500 microns

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Practical spreading rate

1.6m²/litre at 500 microns.

NOTE: This information is given in good faith but **rate may vary significantly** dependent upon environmental conditions, the geometry and nature of work undertaken and the skill and care of application. Corrocoat accept no responsibility for any deviation from these values.

Overcoating

It is important to observe maximum overcoating times and note these **will vary significantly** with climatic conditions. Overcoating may take place as soon as the previous coat has gelled sufficiently to bear the weight of the next coat and whilst still tacky. Maximum overcoating interval is 48 hrs for VEHA at 20°. For longer intervals than this refer to Corrocoat TSD for advice. Best intercoat adhesion characteristics are obtained by short overcoating intervals.

Refer to main product data sheets for full information.

Curing times

Tack free: Approx 4 hours at 20°C

Full Cure: 3-4 days at 20°C

Minimum cure before immersion: 24 hours at 20°C

Thinners

THIS PRODUCT SHOULD NOT BE THINNED. The use of solvent thinners will adversely affect performance and under no circumstances must they be used.

Cleaning solvent

Use Methyl Ethyl Ketone or Methyl Iso Butyl Ketone before gelation occurs.

Reviewed 07/2018
Reviewed 05/2019

All values are approximate. Physical data is based on the product being in good condition before polymerisation, correctly catalysed and full cure being attained. Unless otherwise stated, physical data is based on a test temperature of 20°C, test results may vary with temperature. Information regarding application of the product is available in the Corrocoat manual. Should further information be required, please consult Corrocoat Technical Services.