

## Polyglass

Product reference 2/30 A

Product title PPV

Valid from 17th December 2004

### Type

A two-pack peroxide catalysed vinyl ester glass flake primer.

### Suggested use

A holding primer on metal substrates for Polyglass VE/VEF where service temperatures are in excess of 80°C. Also be used for adhesion promotion between existing Polyglass VE and a repair or new top coat. Use PPA wherever service duty allows.

### Limitations

PPV must not be used where damp conditions exist and pH is above 9. **Strong sunlight** will cause rapid cure and **substantially reduce** overcoating time, as will high ambient temperatures.

### Health & safety

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

### Surface preparation

**Metals:** Grit blast to ISO standard 8501-1 SA 2½ SSPC-SP 10 (for full details, refer to Corrocoat Surface Preparation SP1).

**Concrete:** Consult Tech Services. Generally not recommended except as a sealer, test patches should be applied first to confirm bond and cure.

### Application equipment

Airless pump 30:1 minimum ratio is recommended with 10mm diameter (3/8") nylon lined hose and 6mm whip end. Seals should preferably be of leather and PTFE and all fluid filters must be removed. Tip size .45mm to .75mm (18 to 30 thou) with reverse clean and a 45° fan pattern. The size of tip and fan pattern will vary dependent upon the nature of the work. Use pressure to suit hose lengths and working conditions (circa 200 bar). Brush and roller may also be used.

### Application

Apply as a single coat at a wet film thickness of between 50 and 120 microns. Over thickness will increase tack-free time. For this product to cure it is essential that good ventilation is achieved. For application to concrete, consult Corrocoat Technical Services.

PPV Primer **should not be used** where there is a high moisture content or risk of contaminants above pH 9 during cure or temperature is below 3°C.

### Recommended DFT

DFT is not specified. Wet film thicknesses should be checked and be within the range 50 to 150 microns maximum during application.

## Polyglass

**Product reference** Reverse/2/30 A

**Product title** PPV

**Valid from** 17th December 2004

### Mixing ratio/mixing

98:2 base to hardener weight/weight. For temperatures below 15°C, add catalyst to base product and mix vigorously with a mechanical stirrer for not less than 2 minutes. For temperatures above 15°C, first add retarder and stir by mechanical agitator for 2 minutes then allow a minimum of 3 minutes before the addition of catalyst which should again be stirred in vigorously with a mechanical stirrer for not less than 2 minutes. **Adding retarder after the catalyst will ruin the product.**

Procedures for spray application are similar to those for Polyglass and the Polyglass application data sheet should be read before the mixing or application of this product.

### Packaging

20 litre drums with catalyst.

### Storage life

Base and hardener - 6 months in unopened drums which should be stored below 24°C, away from heat sources and out of direct sunlight.

### Colour availability

Clear, slightly amber.

### Theoretical spreading rate

20-10 m<sup>2</sup>/litre at 50-100 microns WFT.

### Volume solids

This material contains volatile liquid convertible to solids. Volume solids obtained will vary dependent upon polymerisation conditions. Nominally, 91% of the contents are converted to solid.

### Practical spreading rate

**Steel:** Approximately 16-8 m<sup>2</sup>/litre at 50-100 microns WFT.

**Concrete:** Approximately 12-6 m<sup>2</sup>/litre at 50-100 microns WFT.

**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 accepts no responsibility for any deviation from these values.

### Specific gravity

1.06 gms/cc mixed.

### Flash point

28°C.

### Catalyst type

Methyl ethyl ketone peroxide, Type P2.

### Mixing ratio

98:2 base to activator by weight.

## Polyglass

Product reference 2/30 B

Product title PPV

Valid from 17th December 2004

### Drying time

Tack-free with good ventilation - 90 minutes, 10°C at 50-100 microns WFT.

Tack-free 50 minutes, 20°C at 50-100 microns WFT.

### Overcoating

It is important to observe maximum overcoating times and note these will vary with climatic conditions. Dependent upon temperature and ventilation level, minimum at 20°C with good ventilation 1.5 hours. Maximum at 20°C, 3 days. Strong ultra-violet / sunlight will substantially reduce overcoating time.

Once the maximum overcoating time has been reached, adhesion values attained by any subsequent coat **will reduce drastically**. Any further application of coating at this juncture should be treated as a repair, with the surface flash blasted to provide a physical key. Styrene **cannot be used** to reactivate the surface of this product and **may impair adhesion**.

Care should be taken to avoid contamination of applied PPV Primer before application of subsequent materials.

### Cleaning solvent

Methyl ethyl ketone before gelation.

### Pot life

Variable dependent upon temperature, but approximately 2 hours at 10°C, 1 hour at 20°C.

### Thinners

This product should not be diluted or thinned. The use of thinners is detrimental to performance except where advised for use with concrete.

Information regarding application of the product is available in the Corrocoat manual. Should further information be required, please consult Corrocoat Technical Services. This information is offered in good faith but without guarantee or liability.