

Product reference: 3/03

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Product title: Corrocoat Flexires

Valid from: 10th January 2000

Last reviewed: May 2019

Type

A highly flexible two-pack polyester glassflake resin with good elongation.

Suggested use

Applications where high flexibility and elongation are necessary. Used for crack bridging, between joints where movement can be expected or coating bellows etc. May be used to repair other flexible linings and rubbers and for adding impact resistance. Flexires should, where possible, be used with flexible reinforcing materials such as glass cloth and woven roving, to produce strong, flexible membranes; these can be free standing if required. Can be over-coated with Flexicoat for better corrosion protection.

Limitations

Not suitable for service in aggressive chemical environments. For use in immersion conditions limited to 140°F (60°C). Please refer to Corrocoat Technical Services for advice.

Health & safety

Read and observe the Health & Safety data sheet prior to use.

Surface preparation

Grit blast to SSPC-SP10 (ISO 8501-1 SA 2½) or equivalent standard. Refer to Corrocoat data sheet SP1.

Application equipment

Brush or special roller.

Application

Dependent upon environment, Corrocoat FR is normally applied in wet film thicknesses around 12-32mils (300 to 800 microns). Should multiple coats be necessary the previous coat must

be washed with styrene to remove any wax present at the surface.

Mixing ratio

98:2 Base to hardener.

Catalyst type

Methyl Ethyl-Ketone Peroxide Catalyst P2

Pot life

35-40 Minutes at 68°F 20°C. This will vary dependent upon temperature. Do not use inhibitor in this product without first consulting Corrocoat USA.

Thinners

The addition of thinners of any kind, including styrene, to this product will significantly detract from its properties and **is strictly prohibited**.

Packaging

1 Gallon and 5 Gallon kits

Color availability

Amber Resin, which can be colored using sparing amounts of polyester pigment paste.

Recommended DFT

14-40 mils (350-1000 Microns), dependent upon application.

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Overcoating

May take place as soon as the previous coat is tack free.
The surface wax must be removed prior to application.

Cure time

Full cure, approximately 5 days.

Cleaning solvent

Acetone, Methyl Ethyl Ketone or Methyl Iso Butyl Ketone

Reviewed 10/2001 (No changes)

Reviewed 02/2014 (No changes)

Reviewed 05/2016 (No changes)

Reviewed 05/2019

All values are approximate. Physical data is based on the product being in good condition before polymerization, correctly catalyzed and full cure being attained. Unless otherwise stated, physical data is based on a test temperature of 68°F (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.