Product reference: 4/05

Product title: Fluiglide ‘E’

Valid from: 18th December 2007

Last reviewed: May 2019

THIS INFORMATION IS FOR THE USE OF CORROCOAT PERSONNEL & DISTRIBUTORS ONLY

Type

A cold cured 100% solids epoxide, specially modified to give a low roughness amplitude with poor wet out properties.

Suggested use

The purpose of Fluiglide ‘E’ is to offer a smooth uninterrupted surface, increasing flow in the boundary layer whilst affording some degree of resistance to abrasion.

Limitations

Fluiglide ‘E’ does not give the same performance as Fluiglide but is able to withstand more arduous service conditions. The upper temperature limit is 100°C.

Health & safety

Safety precautions should be observed when handling this material. Skin contact should be avoided and eye protection, gloves and protective clothing worn.

Sensitisation of the skin may occur if these precautions are not observed, otherwise this material is safe in use provided normal precautions for epoxy resins are observed.

Surface preparation

The surface should be prepared by grit blasting to ISO 8501-1 SA 3 or equivalent with an ideal profile of around 75 microns.

Application equipment

Brush only.

Application

Fluiglide ‘E’ may be applied direct to the substrate except in the case of concrete. The material should be applied in at least two coats of between 250 to 350 microns with a minimum DFT of 500 microns. Where build-up of damaged components is required this should be carried out first using Corrocoat EA and EB. Fluiglide ‘E’ should then be applied as a top coat to these products. Care should be taken to observe overcoating times and application during periods of high humidity (in excess of 85% RH) should be avoided. Where this material is used in a potable water environment, allow 7 days at and above 18°C prior to service. Fluiglide ‘E’ is approved for use for factory applied products.

Mixing ratio

2 : 1 Base to Activator by weight.

Mixing

Weigh out 2 parts of Fluiglide ‘E’ base (white colour) to 1 part of Fluiglide ‘E’ activator (straw coloured liquid) by weight. Thoroughly mix the two components with a suitable implement, preferably by power stirring until the material is an even colour containing no streaks of unmixed material.

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Pot life

At 20°C Fluiglide ‘E’ is usable for approximately 30 minutes with a gel time of 45 minutes. As temperature increases pot life reduces but cold temperatures will extend pot life.

Packaging

5 litre composite kits.

Storage life

2 years minimum in unopened tins, stored at 5°C - 40°C.

Colour availability

White. Dye should not be used with this product.

Recommended DFT

Minimum of 500 microns in two coats.

Practical spreading rate

0.6 litres/m2 at 500 microns DFT.

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 accept no responsibility for any deviation from these values.

Volume solids

100% solvent-free.

Specific gravity

1.14.

Flash point

95°C.

Temperature limits

Upper: 100°C (dependent upon environment).
Lower: No known limit.

Activator type

Aliphatic Polyamide.

Overcoating time

At 20°C minimum 4 hours, maximum 30 hours.

Cure time

Minimum service time 36 hours.
Potable water 7 days at 18°C.

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Cleaning solvent

Acetone, methyl ethyl ketone, methyl iso butyl ketone, or toluene before gel.

NOTE: Design parameters should be taken into account when using this material to increase pump efficiencies. Maximum benefit can only be obtained by keeping coating thickness to minimum recommendation. Some items with narrow passageways will not benefit from the application of this material.

Where doubt exists, please seek advice.

Reviewed 12/2007
Reviewed 06/2011
Reviewed 07/2011
Reviewed 06/2012
Reviewed 02/2014 (No changes)
Reviewed 11/2016
Revised 05/2018
Revised 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.