

Product reference: 3/24

Page 1 of 2

Product title: Corrocoat Floor Screed

Valid from: 10th January 2010

Last reviewed: May 2019

Type

A 2-pack high viscosity, pre-accelerated, unsaturated ester flooring resin, used in conjunction with the specified aggregate.

Suggested use

For screeding uneven floors, filling pits, gouges etc, usually before the application of a corrosion resistant surface layer such as Polyglass or Polyglass VE.

Health & safety

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

Surface preparation

The concrete surface should be primed in accordance with Corrocoat Data Sheet SP5. Application of Corrocoat Floor Screed directly onto masonry and concrete is not recommended: the coating will not wet-out or penetrate sufficiently to obtain sufficient adhesion.

Application equipment

Float, trowel or brush.

Mixing ratio

Corrocoat Floor Screed may be catalysed with P2 only at a ratio of 100 parts base: 2 parts catalyst. These ratios are based on the actual content of resin, i.e. the weight of resin without the added sand/aggregate.

Mixing procedure

Weigh out only the proportion of material that can be used during the pot life and place in a suitable container. Add the correct weight of P2 catalyst and mix thoroughly. Add the correct weight of screening sand and mix thoroughly.

It is of paramount importance that the material is completely homogeneous prior to application.

NOTE: For screeding layers in excess of 3mm it is essential that the resin to sand/aggregate ratio is not excessive. The particles should be thoroughly wetted but not immersed in resin. Excessive amounts of resin will generate heat, which will cause cracking of the screed during cure.

Where it is necessary to build in excess of 20mm, this should be done by multiple applications.

Pot life

65-75 Minutes at 20°C. The pot life will be shorter at high temperatures and longer at low temperatures. Where high temperatures are encountered it is recommended that where possible the material is refrigerated prior to use.

Application

Corrocoat Floor Screed should first be catalysed using Corrocoat Catalyst P2. Corrocoat Floor Screed should then be mixed with 3 parts screened sand. (The screened sand or aggregate may be of conventional silica type, quartz, or other suitable material.) It must be kiln dried, of particle size (0.5-0.8mm) and be free of fine particles. It may then be applied over the primer layer to a DFT of between 3 and 20mm depending on the requirement. The surface may be lightly brushed with styrene containing 2% P2 in order to obtain a flat surface.

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Page 2 of 2

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Thinners

DO NOT THIN. THE ADDITION OF STYRENE MAY SUBSTANTIALLY AFFECT THE PROPERTIES OF THIS PRODUCT.

Equipment cleaner

Use Styrene, Acetone or Methyl Ethyl Ketone.

Reviewed 10/2001 (No changes)
Reviewed 02/2014 (No changes)
Reviewed 10/2017 (No changes)
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.