T: +44 (0) 113 2760 760 E: info@corrocoat.com

POLYGLASS

Polyglass WCP

Product reference: 2/03

Product title: Polyglass WCP

Valid from: 1st July 2009

Last reviewed: May 2019

Type

A peroxide catalysed, glass flake polyester primer.

Suggested use

As a primer for concrete surfaces that are damp, or where levels of moisture are approaching the saturation point of concrete.

Limitations

WCP is designed for application to concrete surfaces with high moisture level. It should **NOT** be applied when surface water is apparent.

Health & safety

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

Surface preparation

Mechanical abrasion of the surface is required to provide a physical “key” for the product to adhere to, prepare the surface of the concrete. Refer to data sheet SP5.

Application equipment

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

Application

Apply a single coat to a wet film thickness of between 100 and 150 microns. Over thickness will considerably increase tack free time and **substantial over thickness is detrimental.** The initial cure of this product is partially by air-drying and for this to occur **it is essential** that good ventilation is achieved. This primer is designed for use on concrete surfaces. WCP primer should not be used at temperatures below 5°C unless specifically made for low temperature application.

Recommended DFT

DFT is not specified. Wet film thickness should be checked and be within the range 100 to 150 microns during application.

Mixing ratio/mixing

98:2 base to hardener weight/weight.

For temperatures **below** 18°C add catalyst to base and mix vigorously with a mechanical stirrer for not less than 2 minutes. At temperatures above 18°C, first add retarder and stir with mechanical stirrer for 2 minutes. Allow 5 minutes before the addition of the catalyst stirred as above. Adding retarder after the catalyst will ruin the product.

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

Packaging

10 and 20-litre drums. Smaller pack sizes on request.

Storage life

Base 1 year, Hardener 6 months, in unopened drums which

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should be stored below 24°C, away from heat sources and direct sunlight.

Colour

Clear/slightly amber liquid.

Theoretical spreading rate

6-10 M^2/Litre at 100-150 microns.

Volume solids

This material contains volatile liquid convertible to solids. Volume solids obtained will vary dependent upon polymerisation conditions. Nominally 92% of the contents are convertible to solid.

Practical spreading rate

Concrete: Approximately 5-7 M2/Litre at 100-150 microns WFT.

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

Specific gravity

1.15 mixed.

Flash point

26°C.

Catalyst type

Methyl Ethyl Ketone Peroxide, special blend Type P3.

Mixing ratio

98:2 base to activator by weight.

Drying time

Tack-free 90 minutes, 10°C at 100 microns WFT.

Tack-free 45-60 minutes, 20°C at 100 microns WFT.

Overcoating

Depending on temperature and ventilation, this product is designed to be applied to concrete with high relative humidity level. Overcoating as per data sheet SP5.

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

The use of thinners with this product is detrimental to its performance. **This product should not be diluted or thinned, refer to Corrocoat technical sources for more information.**

Reviewed 07/2011
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 any further information be required, please consult Corrocoat Technical Services.