CORROCOAT

CORROFILL

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TYPE:	A TWO-PACK ORGANIC PEROXIDE CATALYZED Bis PHENOL 'A' POLYESTER FILLER or GROUT.
SUGGESTED USE:	As a filler for badly pitted steel in applications which require a high performance, chemically resistant coating system.
LIMITATIONS:	Not suitable for immersion in some highly polar solvents, de-mineralised water or extremes of pH values. 90deg C immersed 120deg C atmospheric
HEALTH & SAFETY:	Before handling or using this product, the material safety data sheets relating to 200 series product and organic peroxides, should be read and all precautions observed.
SURFACE PREPARATION:	The surface to be coated should be free from grease etc. Metal should be grit blasted to a minimum Swedish Standard SIS 05 5900 SA 2.5 with a grit profile of at least 50 microns, 100-125 microns being the ideal key. All blast residues should be removed by sweeping clean, blowing and vacuuming where necessary. Coating of the substrate should take place as soon as possible. For full surface preparation details see relevant surface preparation specification sheets. This product should preferably be applied over Polyglass PPA primer or the first coat of other Corroglass/ Polyglass series materials. It may, however, be used on its own but surfaces should be blast cleaned to Swedish Standard SIS 05 5900 SA 2.5 in accordance with Corrocoat data sheet SP1.
APPLICATION EQUIPMENT:	Short hair stiff brush, trowel or scraper blade.
MIXING RATIO:	Corrofill can be catalysed within the ratios of 100:1 PBW base to catalyst to 100:2 PBW base to catalyst. The ratio should always be within these limits, 2% addition of catalyst being the norm, 1% being used at ambient temperatures above 28deg C or film thickness above 5mm.
CATALYST TYPE:	Use catalyst P2; below 10°C for optimum results use catalyst P4.
MIXING:	Weigh out only the proportion of material, which can be used within the pot life and place into a mixing container. Measure the correct proportion of catalyst for the base amount and carefully add this to the base using a suitable clean implement. Mix thoroughly then add dye if required and mix to an even colour. After stirring it is best to remove the contents from the mixing container into a shallow receptacle and remix.
POT LIFE:	50-60 Minutes at 20°C. Pot life will be shorter at higher temperatures and longer at lower temperatures. Where high temperatures are encountered, refrigerate material before use or else seek the advice of Corrocoat UK.
APPLICATION:	Using application tool, the catalysed material should be vigorously worked into the surface profile, ensuring that the maximum possible wet out of the surface area is achieved. Following this procedure, the coating thickness can be built up to the required thickness. The material may be applied at DFT's of up to 8mm but this thickness generally should not be exceeded in a single layer. Material may be applied up to 20mm when used as a grouting compound at and below 20°C.

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THINNERS:	**DO NOT THIN. NO DILUENT OR THINNER MAY BE USED.** The addition of Styrene may adversely affect the performance of this product do not add without consulting Corrocoat UK.
PACKAGING:	10 or 20 litre drums
STORAGE LIFE:	12 Months maximum, when stored at temperatures below 20°C and away from radiating heat sources or direct sunlight.
COLOUR:	Dark grey.
THEORETICAL SPREADING RATE:	1.25 kg/m² @ 1mm DFT.
VOLUME SOLIDS:	99.8%. This product contains volatile monomer convertible to solid. Actual solids obtained will vary dependent upon cure conditions.
PRACTICAL SPREADING RATE:	Regular surfaces, e.g. new steel - 1.9kg/m² @ 1mm DFT. Irregular surfaces, e.g. pitted steel - 3kg/m² @ 1mm 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.
SPECIFIC GRAVITY:	1.23 gcm^{-3}
FLASH POINT:	32°C.
SHRINKAGE RATIO:	Approximately 6.5% dependent upon speed of cure.
HARDNESS:	Minimum 40 Barcol (ASTM) Standard D-2583
OVERCOATING:	May take place as soon as the previous coat has gelled sufficiently to resist movement of next application and whilst still tacky. Maximum overcoating without treatment is 4 days @ 20°C (shorter at ambient temperatures above 30°C)
CURE TIME:	In ventilated conditions at 20°C, 90% cure will be attained in 8 hours. Full cure for chemical resistance will require 6 days @ 20°C. Cure times will be shortened and the degree of final cure improved by post curing at elevated temperatures.

All values are approximate.

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