

Product Data Sheet

Issue Date: 28.6.2016

Solvent-free, Wet and Rust Tolerant Epoxy Primer / Finish

PRODUCT DESCRIPTION: A high performance solvent free, two-pack epoxy mastic designed to provide corrosion resistance and abrasion protection in extreme service applications. This specially designed epoxy system is capable of being applied as a one or two coat system over grit blasted, hydroblasted or mechanically cleaned surfaces. It can be applied and cures underwater to form a tough protective barrier. It provides outstanding adhesion on wet blasted surfaces.

INTENDED USES: Is designed to provide corrosion protection for metal and concrete structures onshore and in offshore marine and petrochemical services, sheet piles, underground and submarine pipes, waste water tanks, jetty piles, underground tanks and other structural steel that requires protection against corrosion in aggressive environments. It is most suitable for rehabilitation of corroded steel and concrete structures in tidal zones and below the water line where conventional protective coatings are not applicable. It is ideal maintenance for cold pipes with condensation.

PRODUCT INFORMATION:

Colour (other colours available)	Product Code ; P610-0000C white Product Code ; P610-7003C grey
Finish	Gloss
Part B (Curing Agent)	Product Code ; P610-9000D
Volume Solids	100%
Mix Ratio	4 weight(s) Part A to 1 weight(s) Part B
Typical Film Thickness	150 microns dry (150 microns wet)
Theoretical Coverage	3.83m ² /kg at 150 microns
Method of Application	Brush, roller, airless spray
Induction Period	Not required
Flash Point	Part A >150°C ; Part B >76°C ; Mixed > 80°C

Drying Information	10°C	20°C	30°C
Touch Dry (hrs)	16	8	4
Hard Dry (hrs)	24	16	12
Pot Life (mins)	120	60	45

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REGULATORY DATA:

	Substrate Temperature		
Overcoating Data	10°C	20°C	30°C
Overcoated by Sureseal 1208	Min 24h Max 7day	Min 16h Max 7day	Min 12h Max 7day

VOC 25 g/litre as supplied (EPA Method 24)

CERTIFICATION

When used as part of an approved scheme, this product has the following certification:

- Fire-Resistance [BS476:Part 6 & 7 Exova Warringtonfire]
- Fire-Resistance [BS6853:Annex B.2 and D8.4 Exova Warringtonfire]

Consult your representative for details.

SYSTEMS AND COMPATIBILITY

For other suitable topcoats, consult Cactus Industrial

SURFACE PREPARATION:

Steel

Paint only clean surfaces. Remove all contaminants and other foreign matter by "solvent cleaning". After high pressure washing, product can be applied to engrained oil and grease. Ultra-high pressure hydro jetting is acceptable for maintenance of previously painted surfaces.

Abrasive Blasting (ISO 8501:1:2007)

Minimum Sa1

Mechanical (ISO 8501:1:2007)

Minimum St2

Water-jetting

Minimum WJ4

Surface Profile

50 – 75 microns

Concrete

Wet blasting or high pressure water jet blasting is recommended to remove surface contaminants before application of coatings.



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ENVIRONMENTAL CONDITIONS: There is no humidity or dew point restriction.
This product will not cure adequately below 5 °C.

APPLICATION:

Mixing

Material is supplied in 2 containers as a unit. Mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified.

- (1) Agitate Base (Part A) with a power agitator.
- (2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.

Thinner

Thinning is not allowed for underwater applications.
For applications above water to overcome issue related to workability of spray equipment, talk to your Cactus representative.

Airless spray

Recommended
Tip Range ; 317 - 319
Total output fluid pressure at spray tip not less than 0.4 MPa

Brush

Recommended

Roller

Recommended

Cleaner

Contact Cactus Industrial

Work stoppages and Clean up

Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with relevant Thinner. Once units of paint have been mixed they should be resealed and it is advised that after prolonged stoppage work recommences with fresh units. Clean all equipment after use with relevant Thinner. It is good practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays. Do not exceed pot life limitations. All surplus material and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.



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SAFETY:

All work involving the application and use of this product should be performed in compliance with all relevant Health, Safety and Environmental standards and regulations. Prior to use, obtain, consult and follow the Material Safety Data Sheet and container labels. If you do not fully understand these warning and instructions or if you cannot strictly comply with them, do not use this product. Take precautions to avoid skin and eye contact (i.e. gloves, goggles, face masks and barrier cream etc). Actual safety measures are dependent on application methods and work environment.

LIMITATIONS:

This product will not cure adequately below 5°C. Surface finish will be matte when coating underwater or surface covered by water during curing. Substrate temperature should not exceed 40°C.

Overcoating information is given for guidance only and is subject to regional variation depending upon local climate and environmental conditions. Consult Cactus Industrial representative for specific recommendations. For optimum application properties bring the material to 15°C, prior to mixing and application.

Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.

	Unit Size	Part A	Part B
UNIT SIZE:		4 KG	1 KG

STORAGE:

Shelf Life

Minimum 12 months at 25°C. Store in dry, shaded conditions away from sources of heat and ignition.

IMPORTANT NOTE:

The information on this datasheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this datasheet without first obtaining written confirmation from Cactus Industrial as to the suitability of the product for the intended purpose does so at their own risk.