

TYPE:	A TWO-PACK AMINE CURED EPOXY, RESISTANT TO STRONG CONCENTRATIONS OF SULPHURIC AND OTHER ACIDS.
SUGGESTED USE:	Primarily produced for strong concentrations of sulphuric acid, this product can also be used for other mineral acids. Applications include bund areas, tanks, pipe work, floors, decking, structural steel etc.
HEALTH & SAFETY:	Before handling or using this product, the material safety data sheet should be read and all precautions observed.
SURFACE PREPARATION:	Metallic Substrates: The surface should be grit blasted to ISO Standard 8501-1 Sa 2½, SSPC-SP 10 and blast residues removed in accordance with normal surface preparation procedures. Plasmets AR3 should be applied on top of the prepared substrate ideally in a single coat. Should overcoating become necessary, the second coat should be applied usually 8-16 hours after the first coat has been applied. Concrete Substrates: Prepare the concrete as per data sheet SP5. Plasmets AR3 should then be applied directly onto the concrete working the material into the profile.
APPLICATION EQUIPMENT:	Brush, trowel or roller only.
APPLICATION:	Plasmets AR3 is designed for application at a wet film thickness of between 20 and 32 mils (500 microns - 800 microns) depending on environment and service conditions, total dry film thickness will be in the order of 40 and 59 mils (1500 to 2000 microns). Surface temperature must be at least 37.4 °F (3°C) above the dew point and RH below 85%.
MIXING:	Remove the lids from the base and the activator. Pour all the activator into the base and mix thoroughly. Ensure that no unmixed activator remains. It is essential that a power mixer is used to mix the base and activator.
MIXING RATIO:	100 parts Plasmets AR3 Base : 9.94 parts Plasmets AR3 Activator. Weight for weight.
POT LIFE:	55 to 65 minutes at 86°F (20°C). (Values will vary subject to quantity and environmental conditions).

OVERCOATING TIME:	8 to 16 hours, the product may be re-applied as soon as the previous coat of Plasmets AR3 has gelled sufficiently to support the weight of the next coat and logistics allow. Overcoating time will be shorter at higher temperatures.
DRY/CURE TIME:	Tack-free time 16 to 24 hours depending on conditions. Time to full cure 7 days. Both values will vary dependent on temperature. For optimum performance this product should be post cured prior to service. Post cure of 4 hours at 140°F (60°C), 24 hours after application is strongly recommended.
THINNERS:	DO NOT USE SOLVENTS OR THINNERS WITH THIS PRODUCT. The use of solvents or thinners will dramatically reduce the performance in concentrated acids.
STORAGE LIFE:	1-Year minimum in unopened tins.
COLOR AVAILABILITY:	Violet. (It is normal for the coating to be discolored red in service with high concentration sulphuric acid. There can also be discoloration of the cargo where the contact time is high, this will diminish with time and usage. Discoloration will normally occur within a few days, but this does not affect the corrosion protection offered by the coating. Long term immersion in high strength acid can cause the coating surface to darken and eventually turn black)
VOLUME SOLIDS:	100% Polymerisable solvent free. Dry film thickness will vary from wet film thickness dependent upon cure conditions which affects ultimate density. It is advisable when calculating consumption figures to allow a minimum of 10% extra material.
THEORETICAL SPREADING RATE:	27.29ft ² /gal at 40 mils dft (0.67 m ² per litre at 1500 microns dft). Practical coverage values vary depending on environmental and application conditions, surface profile, geometry of work and operator technique. An appropriate loss factor must be taken into account. Corrocoat accept no liability for any differences in calculated values or spreading rates obtained.
CLEANING SOLVENT:	Corrocoat Epoxy Equipment Cleaner.

All values are approximate. Information regarding application of the product is available in the Corrocoat manual. Should further information be required, please consult Corrocoat Technical Services. Physical data is based on the product being in good condition before polymerisation, correctly catalysed and full cure being attained. Information regarding application of the product is available in the Corrocoat manual. Should further information be required, please consult Corrocoat Technical Services.

Revised 09/2009
Revised 04/2010
Revised 10/2010
Reviewed 02/2014 (No change)
U.S. Revision 06/2014