

TYPE:	A solventless chemically resistant two-pack epoxy repair and re-building compound. Plasmets 'R' is highly abrasion and wear resistant.
SUGGESTED USE:	Re-building worn equipment. Replacing corroded and abraded metal, repairing valves, pumps and castings. Patching concrete and many other applications.
HEALTH & SAFETY:	WARNING: When using this product safety precautions should be observed. Avoid contact with skin or eyes. Do not ingest. Protective clothing and goggles should be worn. Read Safety Data Sheet before use.
SURFACE PREPARATION:	Surfaces should be dry and free from oil, grease and other contaminants. Where possible surface should also be roughened to provide a suitable key. For optimum adhesion and performance surfaces should be abrasive blasted before application to Swedish Standard SA2.5 with a 3 mil (75 micron) profile in accordance with data sheet SP1.
APPLICATION EQUIPMENT:	Trowel, putty knife, float, stiff short haired brush or any other suitable tool.
APPLICATION:	Apply to surface building to the desired thickness.
MIXING RATIO: MIXING:	2:1 Base to activator by weight. Remove lids from both components A-Activator and B-Base and scoop out all of component 'A' putting into component 'B'. Mix thoroughly ensuring that no unmixed material remains. Remove all mixed material from base tin and re-mix on a clean flat surface or shallow receptacle. The material remains usable for a limited period After mixing, dependent upon temperature, after which time application becomes difficult. Product should not be applied at temperatures below 41°F (5°C).
POT LIFE:	Variable with temperature and mass, but approximately: 68°F (20°C): 35-40 minutes 86°F (30°C): 30-35 minutes 95°F (35°C): 20-25 minutes
PACKAGING:	5 gallon (18.9 liter) kits
STORAGE LIFE:	1 Year minimum in unopened tins.
COLOR:	Dark grey
SPECIFIC GRAVITY:	.047 lbs/in ³ (1.3 gms/cc)

FLASH POINT:	In excess of 212°F (100°C)	
CATALYST TYPE:	Modified cyclo-aliphatic/aliphatic amine	
CHEMICAL RESISTANCE:	Good	
ABRASION RESISTANCE:	Excellent	
MECHANICAL STRENGTH:	Excellent	
CLEANING SOLVENT:	Xylene, toluene, methyl ethyl ketone	
CURE TIME:	Variable dependent upon film thickness and temperature, but at 68°F (20°C) tack free 6-7 hours and full cure 4-5 days. However material may be usable in service before full cure is attained.	
	Should a second application of Plasmel 'R' be required, this should take place within the overcoating times specified below.	
OVERCOATING:	Plasmel 'R' should be overcoated either with itself or Plasmel 'T' within the following time periods:	
Ambient temperature	41°F to 50°F (5°C to 10°C)	Min. 24 hours, max. 36 hours
	50°F to 77°F (10°C to 25°C)	Min. 7 hours, max. 18 hours
	77°F to 95°F (25°C to 35°C)	Min. 3 hours, max. 12 hours
	At low temperatures and high humidity, amine bloom may occur, evidenced by a dull greenish tinge on the surface. Where this occurs the bloom must be removed by abrading the surface before overcoating is carried out.	

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.

**Reviewed 02/2006
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