

- TYPE:** A solvent-free, three-pack polyamine cured epoxy containing high levels of abrasion resistant filler.
- SUGGESTED USE:** Plasmet WR should be used where abrasion resistance is a prime requirement. WR works well both in immersed and non-immersed environments, but has shown particularly good results in dry abrasion. Suggested areas of application are coal bunkers, pulverised fuel lines and ash handling systems.
- SURFACE PREPARATION:** WR can be applied to decontaminated and wire brushed surfaces, however to obtain optimum adhesion the substrate should be grit blasted to Swedish standard SA 2.5 with 75 micron profile.
- APPLICATION EQUIPMENT:**
Prime Coat: Brush
Build Coat: Trowel or float
Glaze Coat: Brush
- APPLICATION DETAILS:**
- Remove approximately 2% of the resin and hardener and retain for use as the final glaze coat. Mix together the larger part of the base and hardener (98%) in a large container capable of holding all the aggregate.
- Using a brush, prime the surface to be coated using the mixed base and hardener. Mix the required amount of aggregate with the base and hardener and apply the coating to the primed surface. For best results on vertical surfaces work should start from the bottom using a trowel or float and squeeze the material firmly on to the substrate, building upwards at all times. Failure to use this method of application will inevitably result in droop and sag.
- The product may be built up to any desired thickness in multiple coats, bearing in mind heat generation and hold-up characteristics. Larger thicknesses may be built by using meshing techniques; similar to those used in the building industry for rendering and plastering.
- Allow the build coat to cure, then mix the remaining base and hardener together and apply as a glaze coat. Alternatively, Plasmet 'T' may be utilised as a top coat for this product.

PLASMET**PLASMET WR**

MIXING RATIO: Base : Hardener 100:64
 Resin : Aggregate 15:85

NOTE: It is possible to obtain an increase in abrasion resistance by reducing the aggregate to resin loading to a ratio of 70:30. However, the vertical hold-up at this level is poor and therefore this ratio may only be used on flat or gently inclined surfaces.

LIMITATION: The coating may not be applied to overhanging surfaces without the use of retaining mesh.

POT LIFE: Variable with temperature and mass, but at 20°C approximately 2 hours.

PACKAGING: 5 or 10 kg composite kits

STORAGE LIFE: 1-Year minimum in unopened tins

COLOUR: Grey

CATALYST TYPE: Polyamine

SPECIFIC GRAVITY: Mixed base & aggregate 1.93 gms/cc

CHEMICAL RESISTANCE: Good

ABRASION RESISTANCE: Excellent

CLEANING SOLVENT: Xylene, toluene, methyl ethyl ketone or acetone

THEORETICAL SPREADING RATE: 0.17 m²/kg at 3mm dft

HOLD UP: Up to 4mm per coat on vertical surfaces when applied in the correct manner.

Reviewed 05th October 2001