

**EPOXY GLASS FLAKE**

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| TYPE:                  | A polyamine cured, high solids, two-pack glass-filled epoxy with good gloss and chemical resistance.   |
| SUGGESTED USE:         | Ships' hulls, decks, platform structures, pipe work internals and externals, tankage and structural steel. Plasmnet ZE may be used as a durable, chemical and abrasion resistant coating. It may be applied direct to the substrate or used to overcoat the inhibitive primer Plasmnet ZF or Plasmnet ECP to increase adhesion and durability.   |
| HEALTH & SAFETY:       | Before handling or using this product, the material safety data sheets should be read before use and all precautions observed.   |
| SURFACE PREPARATION:   | Plasmnet ZE may be applied directly on to the metal substrate. The surface should be grit blasted to Swedish standard SA 2.5 with a 75 micron profile. If grit blasting is not possible on metal surfaces, or where optimum performance is required, Plasmnet ZF should be used as a primer. Best results and longevity will always be obtained with a blast cleaned substrate. When used on concrete surfaces best results are obtained by priming with Plasmnet ECP. |
| APPLICATION EQUIPMENT: | Brush, roller or airless spray. Graco 63:1 airless spray. Tip size 25-31 thou. Spray pressure 5,000 to 6,000 PSI dependent upon temperature. Recirculation may be required at low application temperatures.  |
| APPLICATION:           | Single or multiple coats of wet film thicknesses between 150 and 500 microns are recommended, dependent upon environment and service conditions. ZE should not be applied at surface temperatures below +5°C. The surface temperature should be at least 3°C above the dew point and RH below 85%. Runs and sags should be avoided in applying this material.  |
| MIXING RATIO:          | Base 80.55 : 19.45 activator by weight.  |
| MIXING:                | Remove the lids from the base and activator. Pour all of the activator into the base and mix thoroughly. Ensure that no unmixed activator remains. The material should be applied as soon as possible after mixing.  |

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| POT LIFE:                   | Approximately 40 minutes at 20°C, will vary dependent upon temperature.  |
| THINNERS:                   | <b>Do not thin.</b> The addition of thinners will significantly affect the performance of this product.  |
| OVERCOATING:                | Minimum: 6 hours<br>Maximum: 60 hours. This time will vary dependent upon temperature but will be substantially reduced at high ambient temperatures.  |
| PACKAGING:                  | 20 litre composite kit   |
| STORAGE LIFE:               | 2 years minimum in unopened tins, stored at 5°C-40°C.  |
| COLOUR AVAILABILITY:        | Black, red oxide and light grey. Other colours available on request subject to a minimum order quantity of 250 litres. White and light shades are unavailable due to the nature of the raw materials used for manufacture.<br><br><b>NOTE:</b> This product is intended to give optimum corrosion resistance in aggressive environments. It is polymerised with a blend of amine curing agents. Because of the type of curing agent used the product has poor colour stability and the colour may change with either strong ultra violet light or chemical contamination. This effect is not detrimental to the product but may adversely affect the aesthetic appearance. |
| VOLUME SOLIDS:              | 90.0%  |
| THEORETICAL SPREADING RATE: | 2.85m <sup>2</sup> per litre at 350 microns dft  |
| PRACTICAL SPREADING RATE:   | 2.4m <sup>2</sup> at 350 microns<br><br><b>NOTE:</b> This information is given in good faith but may vary 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:           | Base and activator mixed 1.14 gms/cm <sup>3</sup>  |
| DRY/CURE TIME:              | Dry cure time at 20°C approximately 12 hours. Time to full cure 3 to 7 days dependent upon temperature.  |
| CLEANING SOLVENT:           | Xylene, toluene, methyl ethyl ketone, Corrocoat epoxy equipment cleaner.   |

Reviewed 05<sup>th</sup> October 2001 – No changes  
Reviewed 02/2014 (No changes)  
Reviewed 10/2017 (No changes)  
Revised 05/2018