IL FIORE DELLA PITTURA
vernital

# DATA SHEET

| VEREPOS BEIGE | COD. 25000370 |
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| | o Polyamide Cured Epoxy Primer |

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| Description | A two component polyamide cured epoxy primer/intermediate based adhesion primer/sealer or coating, pigmented with zinc phosphate and inert extenders. |
| Use and principal characteristic | • Excellent rust inhibitive shop primer in corrosive environments<br>• Form durable coating system with a range of topcoats for immersion and non-immersion services<br>• Available both as tie coat or primer<br>• Good adhesion on properly treated galvanizes steel<br>• Good weather resistance including resistance to aggressive industrial and chemical contaminated atmospheres, to use on structural steel, machinery, pipes and tank, oil refineries, power plant, chemical process |
| Resistance to | |
| Adhesion | Very good |
| Flexibility | Good |
| Abrasion resistance | Very good |
| Basic data at 20° | |
| Colour and gloss | Cream - eggshell |
| Mass density | 1,43Very good g/cm3 (mixed product) |
| Solids content by volume | 52% |
| VOC | 334 g/l |
| Recommended dry film thickness | 60 µm |
| Numbero of coat | 1 |
| Coverage theoretical | 8 m2/l at 60 µm. The practical coverage will be less, depending on application technique, job conditions and type of surface to be coated |
| Application method | airless, or conventional spray, brush or roller |
| Curing at 50 microns daft | |
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| Touch dry after | 2 – 3 hours |
| Read for handling | 4 hours at 20°C; 3 hour at 30°C |
| Ready for over coating | min. 4 hours at 20°C; 24 hour at 30°C<br>max. unlimited<br>*(surface must be in good condition, fee of corrosion products and contaminants)* |
| Full cured | 7 days with good ventilation |
| Note | 7 Drying and curing times are dependent on air and steel temperature, applied film thickness, ventilation and other environmental conditions: Times are proportionally shorter at higher temperature and longer at lower temperatures: with good ventilation |
| Shelf life | 24 months if protected against weathering and at a max. temperature of 40°C |

**Mixing ratio (by weight)**

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| Resin | 100 part |
| Cure | 20 part |

**Flash point (DIN 53213)**

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| Resin | 27° C |
| Cure | 47° C |
| Thinner | 25100200 28°C |

**Surface preparation and application condition**

All surfaces to be coated must be clean, dry and free of rust, oils, dust, dirt, scale, shop primer, and other contaminants.

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| Steel | Blast cleaning to near-white in accordance with SSPC-SP 10 to a degree of cleanliness in accordance with NACE 2 or ISO Sa 2 ½ to obtain blasting profile (Razz) 25 - 50 µm.<br>Prime surfaces immediately after blast cleaning, and dust or sand removal by means of vacuum cleaning. |
| Newly Galvanised Surfaces | Remove any oil or soap film with suitable oil cleaner, or lightly blast with fine grade of non-metallic abrasive: Blast pressure should be typically 30 S.p.a. At the nozzle and approximately 70 S.p.a. (5 at.) at the compressor. Average profiles 20-30 microns are ideal |
| Weathered galvanised surfaces | If galvanised has been exposed to exterior weathering for 6 months or more, remove zinc corrosion products by mechanical means (like power sander). Remove oil or grease with oil cleaner |

**Material preparation**

Product is supplied in pre measured standard pails so that the right ratio is reached by mixing one pail of base product with one pail of cure. If smaller quantities are required, the ratio by weight is:

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| Base product | 100 p. |
| Hardener | 20 p. |

Flush equipment with recommended cleaner before use. Stir each of the components prior to mixing to an even consistency with a power mixer. Add cure to resin, and continue stirring for a few minutes. Stir during application to maintain uniformity of material
Thinner should be added after mixing components.

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| Induction time | Not applicable |
| Pot life at 20° | 12 hours, and will be reduced at higher temperatures |

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| Environmental Conditions | During application and drying:<br>- Air temperature: 5 to 50°C<br>- Surface temperature: 5 to 60°C<br>To prevent moisture condensation during application, surface temperature must be at least 3°C above dew point.<br>Minimum temperature for satisfactory cure is 10°C. Never apply coatings under adverse environmental conditions. Ensure good ventilation when applied in confined areas to assist evaporation of solvents. |

Airless spray

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| Recommended thinner | cod. 25100200; |
| Volume of thinner | 0 -5 % |
| Nozzle orifice | approx. 0,46 - 0,48mm (0,018 - 0,019 inch) |
| Nozzle pressure | 12 Map (approx. 120 at.-1710 S.p.a.) |

Air spray

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| Recommended thinner | cod. 25100200 |
| Volume of thinner | 0 -5-10 % |
| Nozzle orifice | 2 mm |
| Nozzle pressure | 0,3 Map (approx. 3 at.-43 S.p.a.) |

Brush/Roller

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| Use clean, short bristled brush or medium nap roller. | |
| Recommended thinner | cod. 25100200 |
| Volume of thinner | 0-5% |

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| Cleaning Solvent | cod. 25100200 (flash point 28°C)<br>*All application equipment must be cleaned immediately after use, and the paint inside the spraying equipment must be removed before the pot life time has been expired* |

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| SAFETY PRECAUTIONS | Caution:<br>This product is flammable: Keep away from heat and open flame: Keep container closed: Use adequate ventilation: Avoid prolonged and repeated contact with skin. If used in confined areas. Observe the following precautions to prevent hazards of fire or explosion or damage to the health:<br>1. circulate adequate fresh air continuously during application and drying<br>2. use fresh air mask and explosion proof equipment;<br>3. prohibit all flames, sparks, welding and smoking. |