

PLASCOGUARD 7100 EPOXY SERIES

PRODUCT CODE: PEX 7101 Base & PEH 77 Curing Agent

TECHNICAL DATA SHEET

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| Product Description | Two-component polyamide cured high gloss epoxy enamel. | | | | |
| Intended Uses | <ul style="list-style-type: none">As a finishing coat for application onto suitably primed ferrous metals, concrete, cement plaster and wood.For use where resistance to alkalis, water vapour and mild acids is required.Also used as coating for concrete floors to eliminate attack from chemicals, oils and grease. | | | | |
| Features & Benefits | <ul style="list-style-type: none">Suitable for use on chemical plants processing mildly alkaline & acidic materials.High gloss durable finish.Durable floor coating.Excellent water resistance | | | | |
| Product Information | Colours: | White (PEX 7101, Black (PEX 7102) or SANS BS and RAL standards | | | |
| | Appearance | Tint bases: (PET 7101, PET 7102, PET 7103). | | | |
| | Volume solids | High gloss | | | |
| | Recommended DFT | 55 ± 2% | | | |
| | Recommended WFT | 40 – 50 µm per coat | | | |
| | Theoretical spreading rate | 72 – 90 µm per coat | | | |
| | TVOC | 12,2 m²/L at 45 µm DFT at stated volume solids | | | |
| | Flash point | 435 g/L | | | |
| | | 27 °C for both components and mixed paint | | | |
| Application Details | Mixing ratio | 4-part base PEX 7101 to 1-part curing agent PEH 77 by volume. Material is supplied in two containers as a unit. Stir both components separately with a power mixer until homogeneous. Add the curing agent to the base and mix thoroughly together. Mix only in proportions shown above | | | |
| | Mixing | | | | |
| | Method | <u>Airless spray:</u> Tip Size 0.013” – 0.015”, Nozzle pressure 138–172 bar (2000 - 2500 psi) | | | |
| | | <u>Conventional Spray (Pressure Pot):</u> Gun: DeVilbiss MBC or JGA | | | |
| | | Air Cap 704 or 765. Fluid Tip: E | | | |
| | | <u>Brush:</u> Min: 30 µm Max: 40 µm D.F.T. can be achieved. (Theoretical) | | | |
| | | <u>Roller:</u> Min: 30 µm Max: 40 µm D.F.T. can be achieved (Theoretical) | | | |
| | Thinner | Ready for use. Can be thinned up to 5% with EPOXY THINNERS (EPT 2) . | | | |
| | Cleaner | Clean equipment immediately after use with EPOXY THINNER (EPT 2) . | | | |
| | Pot Life | 8 hours @ 23 °C | | | |
| | | Surface Temperature | Ambient Temperature | Relative Humidity | |
| | | Min: 10 °C | Min: 10 °C | Min 10% | |
| | | Max: 40 °C | Max: 40 °C | Max: 85% | |
| | | Or 3 °C above dew point | | | |
| | Drying time | Temperature | Touch dry | Hard dry | Over-coating interval MinMax |
| | | 10 °C | 12 h | 40 h | 45 h4 weeks |
| | | 23 °C | 3 h | 16 h | 24 h4 weeks |
| | | 40 °C | 1.5 h | 12 h | 16 h4 weeks |
| Storage and Packaging | Store away from direct sun, sources of ignition, heat and severe cold. | | | | |
| | Dual Packs: Base (PEX 7101), 5L unit: 4L in a 5L container | | | | |
| | Curing Agent (PEH 77) 1L unit: 1L in a 1L container | | | | |
| | Shelf life: 12 months | | | | |

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| Surface Preparation | <p>All surfaces to be coated should be clean, dry and free from oil, grease, dirt, dust or any other contaminants. Old epoxy painted surfaces must be thoroughly degreased using PLASCON AQUASOLV DEGREASER (GR 1) followed by clean water rinses. Abrade lightly to a matt finish. Dust thoroughly.</p> <p>CONCRETE & CEMENT PLASTER:</p> <ul style="list-style-type: none"> The moisture content of the concrete floor must be less than 5% when measured by the Dozer Hygrometer B4 scale The surface must be free from grease, oil, mud, shutter release agent, mould oils and foreign materials. Remove surface laitance using whatever method is practical. High speed Diamond Grinding is preferred or in some cases acid etching can also be used. Seal the surface with Gehopon 7 Sealer (GW 7) Apply PLASCOGUARD 7100 EPOXY SERIES. Allow 24 hours prior to overcoating. <p>MILD STEEL AND GALVANISED IRON:</p> <ul style="list-style-type: none"> These substrates must be prepared and primed with appropriate primers prior to application of PLASCOGUARD 7100 EPOXY SERIES |
| Application | <ul style="list-style-type: none"> Apply 2 coats to achieve full obliteration and film thickness specified. Allow 24 h to dry between coats |
| Cautions | <ul style="list-style-type: none"> Note: This product should not be applied directly to the substrate, but over recommended primer/sealer or intermediate coat system. Do not allow material to remain in the hoses, guns, or spray equipment. Thoroughly flush all equipment with EPOXY THINNER (EPT 2). In common with all epoxies, this product will chalk on exterior exposure. Rate of chalking will depend on climatic conditions. |
| Safety Precautions | <ul style="list-style-type: none"> Always keep paint out of reach of children. Ensure good ventilation during application and drying. If accidental contact with skin should occur, wash immediately with soap and water or a recognized skin cleaner. Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention. Harmful if swallowed. Seek medical attention and do not induce vomiting. Do not smoke while painting. Refer to Material Safety Data Sheet for complete information. |
| Shipping Weight | <p>UN Shipping No: 1263</p> <p>Dual Packs: 5L - 6,344kg (PEX 7101); 1L - 0,943kg (PEH 77)</p> |

DISCLAIMER:

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

NB: TO ORDER: quote product name, product code number, packaging and colour.

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