

EPICON C-100 UNDERCOAT

EPICON C-100 UNDERCOAT is a high-build type epoxy undercoat paint for concrete based on the combination of epoxy resin and polyamide resin.

It has excellent adhesion to concrete, excellent resistance to sea water and water, and durability, excellent anti-staining property, and excellent physical properties such as toughness, impact and abrasion resistance.

TECHNICAL DATA

| | | | | | |
|--------------------------|---|---|----------|----------|----------|
| Type | Epoxy primer for concrete surface | | | | |
| Recommended Use | As undercoat of epoxy paint system for concrete structures | | | | |
| Information | Mixing Ratio | : Base : Hardener = 72 : 28 [by volume] Base : Hardener = 4 : 1 [by weight] | | | |
| | Color | : Light grey, White | | | |
| | Flash Point | : Base = 13, Hardener = 27.5 [degC] | | | |
| | Density | : 1.30 [g/mL] | | | |
| | Volume Solid | : 47 + 2 [volume %] | | | |
| | Coverage (Theoretical) | : 0.105 - 0.211 [L/ m ²], 0.179 - 0.300 [kg/ m ²] | | | |
| | Film Thickness | : WET 105 - 211 [microns], DRY 50 - 100 [microns], | | | |
| | Drying Time | Set-to-touch | 5 °C | 10 °C | 20 °C |
| | | | 3.5 hrs. | 2.5 hrs. | 1.5 hrs. |
| | Painting Interval | Hard dry | 30 °C | 16 hrs. | 12 hrs. |
| | | | 38 hrs. | 24 hrs. | 16 hrs. |
| | Pot Life | Min. | 38 hrs. | 24 hrs. | 16 hrs. |
| | | | 7 days | 7 days | 7 days |
| Induction time | Max. | 7 days | 7 days | 7 days | |
| | | 24 hrs. | 16 hrs. | 12 hrs. | |
| Condition of Application | Method of Application | : Airless spray, Brush, Roller | | | |
| | Weather | : Temperature : Min. 5 °C Humidity : Max. 85 % RH | | | |
| | For Airless Spray | : Viscosity : 1 - 1.5 Pa s Tip No. : (GRACO) 619, 621 Paint Output Pressure : 14.7 - 17.7 [Mpa] Spray Speed : 60 - 80 [cm/sec] | | | |
| | Thinner | : EPOXY THINNER A Thinning : 0 - 15 % by volume | | | |
| | Surface Preparation | : Surface to be painted must be clean, free from oil, water, dust or other foreign matter by suitable methods. | | | |
| | Preceding Coats | : - | | | |
| | Subsequent Coats | : EPICON UNDERCOAT HB, EPICON FINISH HB, UNY MARINE HS, etc. | | | |
| | Packaging Size | Two pack product 20kg/set, 5kg/set for size in Indonesia only | | | |
| | Storage | Shelf Life / 12 months after the date of production Subject to the satisfactory results of inspection, the product exceeding 12 months may be used. | | | |
| | Safety | Follow all the local or national Health, Safety and Environment regulation. Read and follow all the precautionary notices on Material Safety Data Sheet and Container Labels. Apply only at ventilated areas. Handle with care. | | | |
| Notes | 1.Agitate Base with a power agitator until it is turned homogeneous, and then combine entire contents of Hardener with Base and mix thoroughly by a power agitator. Then add appropriate thinner and mix thoroughly. 2.Density and Volume Solid are measurement data of product samples without thinner. And there are various value depending on color or manufacturing regulation etc. | | | | |

The information given in this sheet is effective at the date shown above and subject to revision from time to time without notice.