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# BERLIN EMERCOTE I-350

## POLYURETHANE FINISH/ALIPHATIC ISOCYANATE CURED

### PRODUCT CODE

- BP4235

### DESCRIPTION

- Emercote I-350 is a polyurethane finish based on acrylic polyol cured by aliphatic isocyanate.

### CHARACTERISTICS

- Good weathering and water and sea water resistance.
- Good resistance to abrasion and impact.
- Good resistance to chemicals and solvent.
- Good non-yellowing property.
- Quality meet CNS K2247 class 3.

### USAGE

- A protective coating for steel structures of bridges, buildings, plant equipments and tanks at seashore or industrial zones etc.
- Protection and decoration for woods, concretes, non-ferrous metals and asbestos etc.

### BASIC DATA

- PACKING: 2 packs
- COLOR: variable
- GLOSS: glossy, semi-gloss, flat, matte
- SP. GR.: approx. 1.3
- VISCOSITY: 65~95 KU(mixture)(25℃)
- SOLID (%VOL): approx. 51%
- THEORETICAL COVERAGE: 64 $M^2$/G @ 30μm
- DRYING(25℃): touch: 1hrs; hardness: 16hrs; fully cure : 7 days
- HEAT RESISTANCE: 80℃
- SUITABLE:
    - UNDERCOAT: Z-120, Epoxy, PU… and so on.
- SHELF LIFE: In normal condition, one year, at least

### APPLICATION INSTRUCTION

- SURFACE TREATMENT: primed surface free from contamination
- MIXING RATIO: base/hardener = 8/1 (by wt.) (depend on different color and gloss)

- INDUCTION TIME: 15 min. (25℃)
- APPLICATION METHOD: airless-spray, air-spray, brushing
- THINNER: SV-3311 ( PU Thinner )
- THINNING /% BY VOL.: airless/5~15; air/10~30; brushing/0~10
- POT LIFE: 8 hrs (25℃)
- AIRLESS CONDITION:
    - pressure : 5 kg/cm$^2$
    - orifice : 0.017"~0.019"
- SUGGESTED DFT: 30~50 μm/coat
- INTERVAL BEFORE OVERCOAT:
    - Temp/ min.(hrs): 5℃/16; 20℃/8; 30℃/6; 40℃/4

**REMARKS**

- Practical coverage depends on substrate, labor skill, application method and weather conditions etc. Under brushing application the actual coverage is estimated at 70% of the theoretical coverage, and 60% for spraying.
- The substrate temperature must be 3℃ higher than dew point and humidity not over 85% and temperature between 10℃ and 40℃ during application.
- Keep good ventilation during application.
- Mix up the base and the hardener homogeneously before use.
- The hardener must be tightly sealed, for it can easily react with moisture.
- The product must be stored in a good ventilation and cool place, and keep away from heat, sparks and flame.
- When exceeding the specified overcoat duration, the to-be painted surface must be prepared by proper surface treatment to ensure adequate adhesion between coatings.

**NOTICE**

- The parts of data base above could be affect by application condition at job site, please reference guide specification or contact with relative technical personnel.
- The basic date may vary from color or gloss.
- Revision Date:2025.11.03.

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