

EASL-243-2K SF



Anti-slip Coating for Epoxy Floor

PRODUCT DESCRIPTION

POLYFLOOR EASL-243-2K SF is two components solvent-free epoxy which gave textured finish and provide firm footing to the floor surface to prevent slips, trips and falls. Can be cured at ambient temperature, without UV lamp.

FIELDS OF APPLICATION

- Production area
- Warehouse
- Parking lot
- Showroom

PRODUCT FEATURES

- Textured finish
- Establish safe floor to prevent slips, trips and falls.
- Solvent free, low odor
- Excellent abrasion resistance
- Easy to clean and maintain

PRODUCT SPECIFICATION

| | | | |
|------------------------|--|--|--------------------------|
| Type | : Two components solvent-free epoxy | Component A | Component B |
| | | EASL-243-2K SF CLEAR | HARDENER EASL-243 |
| Color | : Hazy | | Clear yellowish liquid |
| Material consumption | : 0.08-0.12 Kg set/m ² | | |
| | | Recommended application ~75 micron DFT | |
| Drying time (@ 30°C) | : | | |
| 1. Surface dry | : 3 hours | | |
| 2. Hard dry | : 8 hours | | |
| 3. Open traffic | : 24 hours for light traffic and 3 days for heavy traffic | | |
| Packaging | : 1 and 5 Kg-set | | |
| Storage stability | : Two years in cool and dry storage (above freezing point) and in original unopened box. | | |
| Mixing ratio by weight | : Comp A : B = 2 : 1 w/w | | |
| Pot life (@30°C) | : 30 minutes | | |
| Application method | : Short-hair roller paint | | |
| Substrate | : Concrete | | |
| Application viscosity | : Ready for Use | | |
| Re-coating interval | : 8 hours until 3 days | | |
| Application condition | : T = 25-35 °C, RH = maximum 80% | | |
| | Provide adequate ventilation during application and drying | | |

No. TD : E-052
Revision : 01
Effective Date : 02/03/2023



FILM PROPERTIES

| Item | Result | Standard Test |
|-------------------------|--|---------------|
| Adhesion on epoxy floor | : 5B | ASTM D3359 |
| Bonding Strength | : > 2.5 N/mm ² , concrete failure | ASTM D4541 |
| Abrasion Resistant | : 10 mg loss per 1000 cycles (500 g load using CS17 wheels) | ASTM D4060 |
| Impact Resistant | : 80 cm, 1 Kg load | ASTM D2794 |
| Mohs Hardness | : 4 Mohs | ASTM C1895 |

**all properties tested using panel that has been cured for at least 28 days @ 30°C*

OTHERS

| | |
|----------------------|--|
| Shelf life | : 24 months. |
| Storage and handling | : Store at maximum temperature 35°C. If store under elevated temperature will shorten the shelf life. Avoid from heat and direct sunlight. |

SURFACE PREPARATION

Make sure that compressive strength of floor structure as good as project design requirement. Surface must be structurally sound, clean, and free from loose particles, excessive oil, grease, and other contaminants. Clean excessive oil, grease and wax using scrubbing method by industrial grade detergent or degreasing compound followed by vacuum cleaning to remove all particle dirt.

APPLICATION INFORMATION

1. Mix **EASL-243-2K SF** with **HARDENER EASL-243** at mixing ratio A:B = 2:1 (w/w), using electrical mixer or appropriate method.
2. Apply the mixture on the top coat using short-hair roller paint.
3. Leave it dry for at least 8 hours, or 24 hours before open traffic.
4. Good ventilation and air circulation in working area is suggested.

SIMPLIFIED RECOMMENDED COATING SYSTEM

| No. | APPLICATION STEP and PRODUCT CODE | MIXING | RECOMMENDED COATING AMOUNT | CURING @ 30 °C. |
|---------------------|-----------------------------------|--------|--|-----------------|
| Substrate: Concrete | | | | |
| | Grinding 80# followed by cleaning | | | |
| 1 | Primer Coat | | | |
| | PFP-221-2K Sf BODY COAT | 7 | 900 gr/m ² for 500 mic DFT | 12 hours |
| | HARDENER PFP-221 | 1 | | |
| 2 | Body Coat | | | |
| | PFT-215 M-2K SF | 7 | 750 gr/m ² for 500 mic DFT | 12 hours |
| | HARDENER PFT-215 | 1 | | |
| 3 | Top Coat | | | |
| | EASL-243-2K SF CLEAR UCC | 2 | 80 gr/m ² | 8 hours |
| | HARDENER EASL-243 | 1 | | |

SAFETY PRECAUTION

Avoid contact with the skin and eyes. Wear suitable protective clothing such as goggles, masks, and gloves. For more information, please refer to our safety data sheet.

FIRST AID:

- Eye contact : Rinse immediately with plenty of water for at least 15 minutes; seek medical advice.
- Skin contact : Wash with soap and water. If irritation occurs, seek medical advice.
- Ingestion : Provide symptomatic treatment and seek medical advice.
- Inhalation : Remove person to fresh air. Keep patient rested and give artificial respiration.

DISCLAIMER

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