



## CINDOPOX, E6-143

Resin Rich  
Epoxy Clear

### Uses

It is a versatile, 2-part, industrial-grade epoxy that bonds and coats fibreglass, wood, metal, fabrics and other composite materials. It is suitable for epoxy floor coating and provides superior strength and moisture resistance with non-yellowing additives to cover the epoxy UV weakness.

CINDOPOX E6-143 cures to a high-strength plastic solid at room temperature, by the mixing ratio of epoxy resin and hardener. This highly moisture-resistant plastic adheres to a wide range of materials, making it ideal for projects that require water and chemical resistance, and strong physical properties for structural bonding. Select from a range of hardeners and additives that allow you to tailor the mixture's handling characteristics and the physical properties of the cured epoxy to suit your working conditions and specific coating or bonding application.

CINDOPOX cures layers with excellent water resistance, splashes of mineral oils, aliphatic hydrocarbons, and abrasion and impact. Limited resistance to aromatic and stronger solvents, acids, and oxidizing materials.

### Environment & Health

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheet for the individual components.

### Packaging

The product is supplied in full units as a 2-component pack in two different kits.

|          |              |
|----------|--------------|
| CINDOPOX | 6 litre Kit  |
| CINDOPOX | 12 litre Kit |
| CINDOPOX | 24 litre Kit |

### Curing Times

|                      |                       |
|----------------------|-----------------------|
| Dry to touch         | 4 hours               |
| Hard dry             | One day               |
| Full curing          | 28 days               |
| Recoat interval, Min | 8 hours @ 20°C        |
| Recoat interval, Max | 18 hours, see REMARKS |

### Additional Information

|                             |                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Colours                     | Clear                                                                                                                               |
| Finish                      | Gloss                                                                                                                               |
| Solid Content (by Weight)-% | 99 ± 0.5                                                                                                                            |
| Theoretical spreading rate  | 5.3m <sup>2</sup> /lit-200 Mic                                                                                                      |
| Flashpoint                  | Not applicable                                                                                                                      |
| Specific gravity            | Part A 1.1 kg/lit-<br>Part B .9 kg/lit                                                                                              |
| V.O.C.                      | Max. 60 gr/lit                                                                                                                      |
| Shelf life                  | 1 Year (25°C / 77°F) from the time of production. Depending on storage conditions, mechanical stirring may be necessary before use. |

### Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012).

### Surface Preparation

CINDOPOX should not be applied to floors subject to rising dampness or moisture content higher than 4%. The surface must be prepared and free from oils, chemicals and any other material that

may affect the adhesion, such as concrete curing membranes.

Concrete substrates should be at least 28 days old.

Parts A and B should be mixed at low speed, thoroughly for 3 minutes. Do not use thinner, as this may affect mechanical properties.

## Mixing

Mix thoroughly until a uniform consistency is achieved.



UV Resistant



Chemical Resistant



Water Resistant



Heavy Duty

## Application Method

| Method                           | Roller<br>Trowel   | Brush<br>(touch-up) |
|----------------------------------|--------------------|---------------------|
| Thinner (max. vol.)              | EX-T-1<br>(10-15%) | Ex-T-1 (5%)         |
| Cleaning of tools                | Xylene             |                     |
| Indicated film thickness,<br>dry | 200-500 mm         |                     |
| Indicated film thickness,<br>wet | 250-500 mm         |                     |

Conditions: Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 3°C above the dew point.

## Storage

|             |                                                                                                                 |
|-------------|-----------------------------------------------------------------------------------------------------------------|
| Time        | 12 Months in Unopened Packs.                                                                                    |
| Temperature | Storage temperature between 5°C and 35°C.                                                                       |
| Protection  | Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress. |

## Remarks

|                 |            |
|-----------------|------------|
| Preceding Coat  | Primit     |
| Subsequent Coat | Bettathane |

A completely clean surface is mandatory to ensure inter-coat adhesion, especially at long recoating intervals. Any dirt, oil, and grease must be removed, e.g., with a suitable detergent. Salts should be removed by freshwater hosing. To check the adequate quality of the surface cleaning, a test patch is recommended before actual recoating.

## Film Thickness

It may be specified in another film thickness than indicated, depending on the purpose and area of use.

This will alter the spreading rate and may influence drying time and recoating intervals.



Low Maintenance



Wear Resistant



Easy Application



Environmentally Friendly

## Recoating and drying/curing time

Recoating intervals are related to the following conditions of temperature:

| Temperature | Time (Hours) |
|-------------|--------------|
| 25°C        | 8-72         |
| 20°C        | 12-96        |
| 15°C        | 24-96        |

## Safety

Refer to SDS for the correct Dangerous Goods classification.

## Material Set-Up

Before commencing work, ensure that your material is set up by separating all components (e.g. Base A, Hardener B, Filler C, etc.) to ensure that all material is correct. Check product labels and ensure there are equal amounts of product.

## Site Set-Up

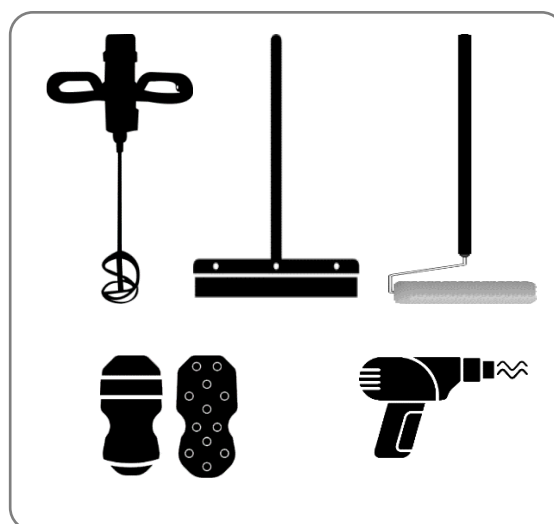
Before commencing work, ensure that your site is set up. Mark the floor according to the specification with masking tape or similar to identify what area (m<sup>2</sup>) each unit will cover. If this is not achieved (greater or less consumption than the specified amount), immediately stop and contact Chemstuk after-sales helpline.

## Surface Preparation

Concrete should be finished with a steel trowel. Surface preparation is to be completed by totally enclosed (light shot blasting) or coarse diamond grinding. All cementitious laitance must be removed to expose a sound substrate and provide a dry, dust-free, open-textured surface. All hard-to-reach areas and areas around the perimeter must be prepared using handheld preparation equipment. Any damaged areas must be repaired with Quick Fill mortar. Consult Chemstuk prior to using an alternative repair mortar. Any rough or uneven areas must be made smooth with MASTIC. Consult Chemstuk prior to using an alternative epoxy scratch coat.

## Application Equipment

The use of correct application equipment is critical, as incorrect application tools can result in poor finishing and incorrect material consumption. Always test the application equipment prior to commencing work. The following equipment is recommended for this application.



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