



## CINDOPOX DEEP EP-134

Resin Rich  
Epoxy Deep Cast

### 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 casting and craft and provides superior strength and moisture resistance with non-yellowing additives to cover the epoxy's UV weakness.

CINDOPOX deep-cures to a high-strength plastic solid at room temperature, depending on 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. Selected 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 crafts or bonding applications.

CINDOPOX Deep 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 data sheets for the individual components

### Packaging

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

| First Kit     |       |
|---------------|-------|
| CINDOPOX DEEP | 2 Ltr |
| Hardener      | 1 Ltr |

| Second Kit    |       |
|---------------|-------|
| CINDOPOX DEEP | 4 Ltr |
| Hardener      | 2 Ltr |

### 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.                      | 0 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

Mould 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 Deep should not be applied to MDF mould 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

Stir Base A to re-disperse any settlement. The desired amount of Base A is required in a clean container by weight using digital scales. Add Hardener B to the Base A container and drain thoroughly. Mix with a slow-speed drill and helical spinner head for 60 seconds, taking care not to entrain air. Mix until uniform.

## Application Method

|                               |                 |                     |
|-------------------------------|-----------------|---------------------|
| Method                        | Cast deep       | Hands-free painting |
| Thinner (max. vol.)           | EX-T-1 (10-15%) | Ex-T-1 (5%)         |
| Cleaning of tools             | Xylene          |                     |
| Indicated film thickness, dry | 20-50 Mm        |                     |
| Indicated film thickness, wet | 20-50 Mm        |                     |

**Conditions:** Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 4°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 indoors and protected from frost, weather, moisture, direct sunlight and contamination ingress. |

## Remarks

|                 |                 |
|-----------------|-----------------|
| Preceding Coat  | Indopox, Primit |
| Subsequent Coat | -               |

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 with freshwater. To check the adequate quality of the surface cleaning, a test patch is recommended before actual recoating.

## Film Thickness

It may be specified at a different film thickness than indicated, depending on the purpose and area of use. This product can be poured up to 100 mm as a casting resin.

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



Low Maintenance



Water Resistant



Easy Application



Environmentally Friendly

## Recoating and drying/curing time

Recoating intervals are related to the following temperature conditions:

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

## Safety

Handle with care. Before and during use, observe all safety labels on packaging and containers, consult Chemstuk safety data sheets and follow all local and national safety regulations. This product is not classified as flammable. May cause skin and eye irritation, and Part B (hardener) may cause skin sensitisation. Avoid inhalation of vapours, and avoid contact with skin and eyes. Apply only in well-ventilated areas and ensure that adequate forced ventilation exists when applying in confined spaces or when the air is stagnant. Please follow the instructions on dangerous goods transport according to Corrosive Liquid UN 1760, Class 8 (Part B hardener only); Part A is not classified as Dangerous Goods for transport.

## Material Set-Up

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

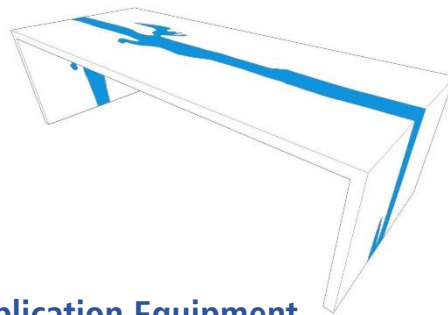
## Site Set-Up

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 each unit will cover. If this is not achieved (greater or less consumption than the specified amount), immediately stop and contact the Chemstuk after-sales helpline.

## Surface Preparation

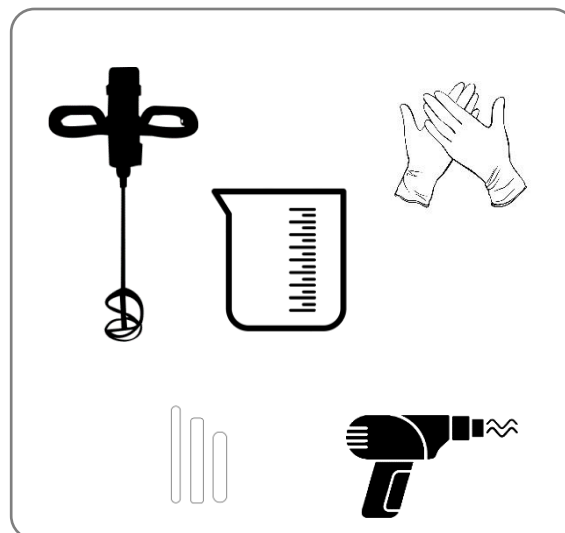
All laitance must be removed to expose a sound substrate and provide a dry, dust-free, open-textured surface. All hard-to-reach areas and areas around the perimeter must be prepared using handheld preparation equipment. Any damaged areas must be repaired with Quick-Fill mortar. Consult Chemstuk prior to using an alternative repair mortar. Any rough or uneven areas must be

made smooth with Quick Build. 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.



### DISCLAIMER

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