



## CINDOPOX DEEP

Resin Rich  
Epoxy Deep Cast

### Uses

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 UV weakness.

CINDOPOX Deep 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. 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 application.

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 and acids and oxidizing materials.

### Environment & Health

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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 datasheets 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 Volume)-%	99±0.5
Theoretical spreading rate	5.3m <sup>2</sup> /lit-200 Mic
Flashpoint	28°C/83°F
Specific gravity	Part A 1.1 kg/lit- Part B .9 kg/lit
V.O.C.	Max. 30 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

Mold 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 mold 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.

Part 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 decent required amount of Base A into 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.

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

## Film Thickness

May be specified in another film thickness than indicated depending on 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.



## 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

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Chemstuk material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapours or paint mist, as well as paint contact with skin and eyes. Apply only in well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions. Please follow the instruction on dangerous good transport according to Flammable Paint UN 1263 (Part A) and Corrosive Liquid UN 1760 (Part B)

## 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

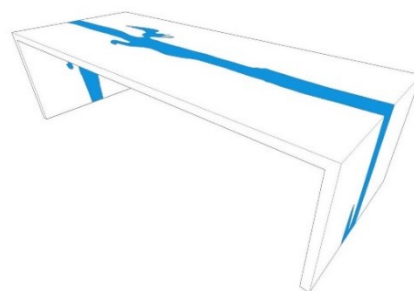
Before commencing work ensure that your site is set up. Mark the floor according to the specification with masking tape or similar to identify what area each unit will cover. If this is not achieved (greater or less consumption than

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the specified amount) immediately stop and contact 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.

