



# COATINGS





# EBUPOX C455

EPOXY BASED TOPCOAT PAINT

H.S:390730000000

## DESCRIPTION

EBUPOX C455 is a two component epoxy paint designed for industrial floors, with smooth surface finish, easy to apply, non-slip surface can be obtained as a top coat.

## USAGE AREAS

- On concrete and cement based surfaces,
- In warehouses, production areas, shopping malls
- As a top coat paint material in car parks.

## CHARACTERISTICS

- It has high mechanical strength.
- It is liquid impermeable in certain proportions.
- Glossy surface finish.
- Easy to apply & clean.
- It can be produced in the desired RAL color.

## APPLICATION METHOD

### Surface Preparation

- Clean and remove substances such as oil, wax, grease, and water repellents from the surface using a dust floor milling machine or by lifting off any loose parts.  
The new concrete should be at least 28 days old.
- Repair cracks and damaged areas with suitable products like EBUPOX C455
- Prior to application, prime the surface with epoxy-based primers suitable for the purpose.
- Before the primer layer, roughen the surface using appropriate mechanical methods.

### Mixing

- Component A and component B are provided in separate packages with predetermined mixture ratios.
- Component B is fully emptied into component A and mixed together.
- The mixing should be done with a mixer at a speed of 300 rpm. It is a two-component product and should be prepared at the specified mixture rate according to the amount needed, considering the mixture's lifespan.
- To ensure a homogeneous mixture, the product temperature should not be lower than 15°C.
- Component A should be mixed with a mechanical stirrer, and the hardener (component B) should be added, adhering to the mixture ratio.
- Components A and B should be mixed with a mechanical mixer for a minimum of 3 minutes until a homogeneous consistency is achieved.
- After preparation, the mixture should be allowed to rest for 20 minutes before application on the surface.

### Application

- If the product is to be used directly on the floor as a coating material, appropriate epoxy based primers should be used before application.
- There is no need to apply primer again if it is applied on epoxy topcoat. It is applied in two layers and the second coat should be applied within 24 hours.

## Application Conditions

- After application, protect the surface from external factors for a minimum of 24 hours. Allow controlled and light pedestrian traffic after 2 days and vehicle traffic after 7 days.
- Ensure the relative humidity of the air is below 80% and ground humidity is below 2%. Maintain an application temperature between +10°C and +30°C.
- Note that the product is not suitable for open-space applications.

## CONSUMPTION

0,250 – 0,500 kg/m<sup>2</sup>

## PACKAGING AND STORAGE

**21 kg Tin (set: Component A: 18 kg + Component B: 3 kg).**

Shelf life when stored in its original packaging at +10°C /+30°C in dry, protected and ventilated environments, protected from sun, rain and frost, is 12 months from the date of manufacture.

## SAFETY PRECAUTIONS

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use.

## TECHNICAL DATA

Density (gr/ cm <sup>3</sup> )	1,25
Container life at 25°C (minutes)	20
Initial Curing	24 hours
Final Curing	7 days

The above values are given at +20°C and for 50% relative humidity. High temperatures shorten the time, low temperatures prolong the time.



# EBUPOX C456

EPOXY BASED, THIXOTROPIC, ORANGE PEEL COATING

H.S:390730000000



## DESCRIPTION

EBUPOX C456 is a two component, orange peel patterned, thixotropic finish floor coating designed for industrial floors.

## USAGE AREAS

- On concrete and cement based surfaces.
- In warehouses, production areas, hangars, exhibition and fair areas.
- It is used as a topcoat material with orange peel surface appearance in parking lots.

## CHARACTERISTICS

- It has high mechanical strength.
- It has high abrasion resistance.
- Glossy surface finish.
- Easy to apply & clean.
- Non-slip surface can be obtained.

## APPLICATION METHOD

### Surface Preparation

- Remove oil, wax, grease, and water repellents that may weaken adhesion using a dust floor milling machine and remove any loose particles.
- Ensure that the new concrete is at least 28 days old. Repair cracks and damaged areas with suitable products like EBUPOX C456
- Before application, prime the surface with epoxy-based primers.
- Prior to the primer layer, mechanically roughen the surface appropriately.

### Mixing

- Combine Component A and Component B, following the predetermined mixture ratios.
- Pour Component B into Component A and mix with a mechanical mixer for at least 3 minutes until a homogeneous mixture is obtained.
- The mixing process should be done at a speed of 300 rpm using a mixer.
- Allow the prepared mixture to sit for 20 minutes before applying it to the surface.

### Application

- The mixture made ready for application is discharged to the surface and spread with the help of trowel. Using a roller, combing is performed in both directions and the finishing texture is given.
- It is recommended to wear spiked shoes to prevent the application surface from deteriorating during application.



## CONSUMPTION

0,600 - 0,800 kg/m<sup>2</sup>

## PACKAGING AND STORAGE

20 kg TIn (Set: Component A: 12 kg + Component B: 8 kg).

Shelf life when stored in its original packaging at +10°C /+30°C in dry, protected and ventilated environments, protected from sun, rain and frost, is 6 months from the date of manufacture.

## SAFETY PRECAUTIONS

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use.

## TECHNICAL DATA

Density (gr/ cm <sup>3</sup> )	1,90
Viscosity	Thixotropic
Abrasion Resistance (mg, 7 days old)	40-45
Compressive Strength (N/ mm <sup>2</sup> )	>85
Bending Strength (N/ mm <sup>2</sup> )	>34
Adhesion to concrete (N/ mm <sup>2</sup> )	>4
Container life at 25 °C (minutes)	20
Initial Curing	24 hours
Final Curing	7 days

The above values are given at +20°C and for 50% relative humidity. High temperatures shorten the time, low temperatures prolong the time.



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# EBUPOX C800

WATER-BASED EPOXY COATING

H.S:390730000000

## DESCRIPTION

It is a water-based coating with two-component, low viscosity, high abrasion and chemical resistance primer and coating material that can also be applied on moist concrete.

## USAGE AREAS

- As a coating layer on concrete, cement or epoxy mortars after applying epoxy, polyurethane or polyurea top coatings on floors exposed to medium and heavy loads,
- As a coating material in pharmaceutical, food, automotive, beverage industry, kitchens, hospitals, all production and storage areas.

## CHARACTERISTICS

- It is water-based.
- It fills the pores on the concrete and similar surfaces where it is applied.
- It is an easy to use coating material after curing.
- It is resistant to water and chemical materials.
- It provides excellent adherence by preparing the ground for the polyurethane materials to be applied on it.

## APPLICATION METHOD

### Surface Preparation

- The surface to be applied is cleaned from dust, rust, oil and dirt with a vacuum cleaner.
- The free particles on the surface should be completely cleaned.
- Cracks must be repaired.
- Joints have to be repaired.
- Defects on the surface should be repaired before application.

### Mixing

- This two-component product should be prepared at the specified mixture rate, considering the mixture life and the amount to be consumed.
- To ensure a homogeneous mixture, it is important to maintain a product temperature of at least 15°C.
- Quickly mix Component A with a mechanical mixer, and carefully add the hardener (Component B), adhering to the specified mixture ratio.
- Mix Components A and B together using a mechanical stirrer for a minimum of 2 minutes.
- The prepared mixture should be used within 30 minutes of preparation to maintain its effectiveness.

### Application

- The mixture, which is made ready for application, is applied in a way that the pores are closed by saturating the surface with the roll.
- The application time of the new layer on top of the layer should be at least 4 hours (20°C) and at most 48 hours.
- It is very important to apply the second coat within the above-mentioned new coat application period.
- It reaches a complete mechanical and chemical strength in about 7 days.

## CONSUMPTION

As coating material:  
500 – 600 gr /m<sup>2</sup>

## PACKAGING AND STORAGE

**12.5 kg Tin (Set: Component A: 10 kg + Component B: 2.5 kg).**

In its original packaging, when stored in ventilated, dry and protected environments at +5°C / +25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture. Opened packages should be used within a maximum of one week if they are tightly sealed again.

## SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during the application and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

## TECHNICAL DATA

Component	A+B (epoxy + hardener)
Mixing Ratio	10+2.5 kg
Solid matter ratio	51%
Hardness	> 95 SHORE A
Application temperature	15 - 35°C
Specific Gravity	1,05 gr/cm <sup>3</sup> at 20°C (±0,01)
Availability Period	30 Minutes (at 20°C, 50% RH)
Touch Dryness	6 Hours
Pedestrian Traffic	12 Hours
Final Curing	7 days
Adhesion Strength to Concrete	2,4 - 2,6 N/mm <sup>2</sup>

The above values are given at +20°C and for 50% relative humidity. High temperatures shorten the time, low temperatures prolong the time.







# EBUPOL 2CUV

ALIPHATIC POLYURETHANE BASED, TWO COMPONENT,  
UV RESISTANT PAINT

H.S:390950100000

## DESCRIPTION

EBUPOL 2CUV is a polyurethane-based, UV-resistant liquid topcoat. It creates a durable, elastic film that adheres to various surfaces.

With excellent mechanical and chemical properties, it offers high strength, tear resistance, and abrasion resistance. The film allows breathability, prevents moisture buildup, and bridges shrinkage cracks.

## USAGE AREAS

- On concrete roofs & bridge platforms,
- On balconies and terraces
- In light roofs made of metal and fibrous materials,
- As the last coat of epoxy floor coverings,
- On surfaces such as ceramic tiles, natural stone tiles, etc.
- On the protection of polyurethane foam insulation
- As a topcoat over the waterproofing materials used.

## CHARACTERISTICS

- It does not fade or turn yellow when exposed to sunlight
- It is UV resistant & elastic.
- It can be produced in different colors.
- It is resistant to continuous water contact.
- It has high abrasion and chemical resistance.
- It provides excellent adherence to non-absorbent surfaces.
- It has low viscosity.

## APPLICATION METHOD

### Surface Preparation

- Coating surfaces to be applied must be free from dust, dirt, oil and other materials that will prevent adhesion.
- When applied directly to the surface, the surface must be primed with EBUPOX P260 before application.

### Material Preparation

- Component B should be mixed for 2-3 minutes with a suitable mixer at a speed of 300 rpm after being completely emptied into component A.

### Application

- EBUPOL 2CUV is applied by spraying method or by brush or roller. The surface should not come into direct contact with water for at least 24 hours after application.
- There is no need to use primer when applied on waterproofing materials.
- Second coat should be applied after 6 to 24 hours drying time.

### Application Conditions

- In cases where the ground temperature is below +5°C and above +35°C, the material should not be applied. Packages are designed for single use.
- When it is opened, it must be consumed completely within the specified periods.
- The material should be protected from rain, frost and direct sunlight within the first 24 hours after application. (+20°C)
- The application surface should not be wet or damp. It should not be used as waterproofing material alone

## CONSUMPTION

0,300 - 0,400 kg/m<sup>2</sup>  
(For 2 coats of application)

## PACKAGING AND STORAGE

**20 kg Tin (Set: Component A: 16 kg + Component B: 4 kg).**  
Shelf life when stored in its original packaging at +10°C /+30°C in dry, protected and ventilated environments, protected from sun, rain and frost, is 12 months from the date of manufacture.

## SAFETY PRECAUTIONS

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use.

## TECHNICAL DATA

Material structure	Aliphatic Polyurethane Liquid
Color	Intended
Density	0,95 gr/cm <sup>3</sup> (20 °C and 50% R.H.)
Shore D hardness	60
Viscosity	100-200 cP
Elongation	> 200%
Application temperature	+ 5°C / + 35°C
Adhesion to concrete	> 2 N / mm <sup>2</sup>
Breaking Strength	> 20 N / mm <sup>2</sup>
Service temperature	- 40°C / + 80°C
First drying	4-6 hours
Final drying	5 days

The above values are given at +20°C and for 50% relative humidity.  
High temperatures shorten the time, low temperatures prolong the time.



# EBUPOL 1CUV

POLYURETHANE BASED, ONE COMPONENT, LIQUID,  
ALIPHATIC LAST COATING

H.S:390950100000



## DESCRIPTION

EBUPOL 1CUV is a one component, ready-to-use, liquid-applied, quality-enhancing, solvent-based, aliphatic polyurethane waterproofing coating that curing with air humidity. It has high UV resistance.

## USAGE AREAS

- It is used for the protection of the following surfaces for waterproofing,
- As a polyurethane or polyurea waterproofing protective topcoat material,
- With a suitable primer on metal surfaces such as iron, steel and aluminum,
- It should be applied with suitable primer on building materials like concrete, stone, wood, marble etc.

## CHARACTERISTICS

- Suitable for cold application and can be easily applied with a roller, trowel, brush or airless spray gun.
- Maintains its flexible structure continuously,
- Can be applied without attachment.
- High resistance against UV and frost.
- It maintains physical properties at  $-30^{\circ}\text{C}$  /  $+90^{\circ}\text{C}$ .
- Water vapor permeable and allows the surfaces to breathe.
- Excellent adherence properties.
- Exhibits effective resistance against chemicals.
- Does not contain toxic substances after it has been cured.
- White, Blue, Grey & RAL Colors

## APPLICATION METHOD

### Surface Preparation

- The surfaces to be applied should be dry and clean.
- Concrete and plaster residues mechanically: oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents.
- Damaged coatings, uneven surfaces and cracks should be repaired with appropriate products.
- After the repair, the surface should be primed with EBUPOL P340
- Concrete substrate conditions (standard): Hardness: R28 = 15MPa.
- Temperature:  $5-35^{\circ}\text{C}$ . Relative humidity:  $<85\%$ .

### Application

- Before applying the product, mix with a suitable mixer at a speed of 300 RPM for 2-3 minutes.
- EBUPOL 1CUV is applied with trowel, airless spraying machines or brush or roller.

### Application Conditions

- The packages kept at room temperature for 24 hours are opened and mixed until homogenous consistency.
- Mixing should be done with low speed mixer and appropriate mixer tip.
- EBUPOL 1CUV spreads homogeneously by making consumption control on the primed surfaces with the help of thin comb trowel, short-hair roller brush or airless spray gun.
- It should be kept in mind that the waiting time in hot weather may be shortened and may be extended in cold weather.

## CONSUMPTION

$0,200 - 0,300 \text{ kg/m}^2$  (as single layer)  
Consumption can be changed depending on surface roughness, ambient and surface temperature and application method.

## PACKAGING AND STORAGE

### 10 & 20 Kg Tins.

Store in a dry and cool environment (between  $+15^{\circ}\text{C}$  /  $+25^{\circ}\text{C}$ )  
It should be protected from water, frost, heat, ignition, direct sunlight and adverse weather conditions.  
Even opened packages are tightly closed, the inside of the product will be curing quickly so that the opened cans should be consumed in short time.

## SAFETY PRECAUTIONS

Contact of the product with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. If swallowed, drink a few glasses of water immediately and seek medical advice. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves and protective goggles should be used during use.

## TECHNICAL DATA

Viscosity	1000-3000 cP
Density	$1.25 \pm 0,05 \text{ gr/cm}^3$
Solids Content by Weight	85-90%
Walkable on Time	8-12 Hour
Recoat Time	8-12 Hour
Hardness (7 days)	65-70 Shore A
Tensile Strength (7 days)	$> 3 \text{ N/mm}^2$
Elongation at Break	$> 300\%$
Adhesion to Concrete	$> 2 \text{ N/mm}^2$
Flash point	$> 30^{\circ}\text{C}$
UV Accelerated Weathering Test	Passed (1000 hours)
Volatile Organic Compound (VOC)	100-130 g/L
Shelf life	12 month

The above values are given at  $+20^{\circ}\text{C}$  and for 50% relative humidity.  
High temperatures shorten the time, low temperatures prolong the time.



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# EBUFIX 1CLP

ROAD, LINE & FLOOR PAINT

H.S:390950100000

## DESCRIPTION

EBUFIX 1CLP is a solvent based floor paint that is used for acrylic, floor and pavement markings, has high abrasion resistance and can be produced in different colors.

## USAGE AREAS

- Marking of road lines,
- On asphalt surfaces,
- In the painting of paving stones,
- In parking lot markings,
- On concrete surfaces,
- On old painted surfaces

## CHARACTERISTICS

- It has high adhesion strength.
- It dries quickly.
- It is UV resistant.
- It is resistant to friction.
- It doesn't change color.

## APPLICATION METHOD

### Surface Preparation

- Before applying EBUFIX 1CLP ensure the surface is clean and free from dust, dirt, and debris, and it must be completely dry. For painting paving stones, address any broken or missing parts before application.
- When marking road lines, avoid applying on loose ground or heavily worn aggregate surfaces whenever possible.

### Application

- If EBUFIX 1CLP is to be used on concrete surfaces, the concrete must have been poured at least 1 month before the application, the surface must be roughened by notching and the application must be done with airless spraying.

### Application on old painted surfaces

- It is strongly recommended to do some testing for applications on the old painted surface (water-based road marking paint, etc.).

## WARNING

- It should not be used on bright concrete whose surface has been smoothed with a helicopter trowel and on surfaces that have epoxy coating before.



## Application Conditions

- Glossy surfaces must be roughened before application. For ideal surface performance, glass spherules should be added to the product and the application should be done with airless systems.
- During the application and until the complete drying of the products is completed, it should be ensured that the ambient and surface temperature is between +5°C and +30°C.

## CONSUMPTION

It may vary depending on the absorbency rate of the surface. 300-0,600 kg/m<sup>2</sup>

## PACKAGING AND STORAGE

### 5-10-20 kg tins

In its original packaging, when stored in ventilated, dry and protected environments at +10°C/+30°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

## SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

## TECHNICAL DATA

Form	In liquid form
Color	In the desired color
Smell	Characteristic
Solvent ratio	Organic solvent : 18.0% , Solid matter ratio: 48.3%

The above values are given at +20°C and for 50% relative humidity. High temperatures shorten the time, low temperatures prolong the time.



# EBUFIX 1CWR

WATER-BASED, TRANSPARENT WATER REPELLENT  
MATERIAL FOR FACADES

H.S:390950100000



## DESCRIPTION

EBUFIX 1CWR is a one component, water-based silane/siloxane emulsion, a transparent protective coating and water repellent that penetrates well into the applied surface.

## USAGE AREAS

- Exterior facades,
- Surfaces such as concrete, natural stone, brick, mortar,
- It can be used in mineral-based structures such as roads, bridges, building exterior walls.

## CHARACTERISTICS

- It provides waterproofing.
- It penetrates very well into the structure it is applied to.
- It does not form a film layer on the surface.
- It does not change the appearance of the structure it is applied to.
- It is resistant to U.V. rays & alkalies.
- It increases the resistance of the structure it is applied to against chlorine and sulfates.
- It is vapor permeable, does not prevent the surface from breathing.
- It is compatible with coatings such as paint to be applied on it.
- It is water-based and environmentally friendly.

## APPLICATION METHOD

### Surface Preparation

- The surface to be applied should be free from dust, oil, paint, curing and other substances that are not related to the structure and prevent penetration with detergent, steam, compressed air or brush.
- Cracks larger than 0,200 mm on the surface should be repaired.
- During application, the surface may be dry or slightly damp, but there should be no wet stains.
- The best result is achieved by application on dry and highly absorbent surfaces.

### Application

- EBUFIX 1CWR is ready to use material.
- It can be applied by brush, roller or low pressure spray.
- It works better on dry and absorbent surfaces.
- It is applied 2 or 3 layers according to the absorption rate of the surface.
- A maximum of 3-5 hours should be waited between the layers.
- The applied surface should be protected against rain for 3 hours.
- It should be waited for 5 hours for paint application.



## CONSUMPTION

Depending on the absorbency of the surface;  
0,100 - 0,600 kg/m<sup>2</sup>

## PACKAGING AND STORAGE

5-20-30 kg Plastic Drum.

Shelf life when stored in its original packaging at +10°C /+30°C in dry, protected and ventilated environments, protected from sun, rain and frost, is 12 months from the date of manufacture.

## SAFETY PRECAUTIONS

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use.

## TECHNICAL DATA

Material structure	Liquid water-based silane/siloxane emulsion
Color	Milk white
Density	1.00 ± 0.02 kg/m <sup>3</sup>
pH	8 ± 2

The above values are given at +20°C and for 50% relative humidity.  
High temperatures shorten the time, low temperatures prolong the time.



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