CP WP – SCRATCH

Colour Plus
Polyurethanes Pvt. Ltd.,
An ISO 9001:2015 Certified Company

Description

PU Epoxy Waterproofing is a high-performance, two-component polyurethane-epoxy hybrid system designed to provide superior waterproofing for a variety of surfaces. It offers excellent adhesion, flexibility, and resistance to moisture, making it ideal for use in both residential and commercial applications.

Uses

1. Roof Waterproofing:

- Provides a reliable barrier against water penetration on flat or sloped roofs, preventing leaks and moisture-related damage.
- Can be applied on concrete, metal, and other roofing materials.

2. Basement and Foundation Waterproofing:

- Ideal for both positive and negative side waterproofing of foundations and basements.
- Helps to prevent water infiltration and moisture damage in underground spaces.

3. Balcony and Terrace Waterproofing:

- Protects balconies and terraces from water ingress.
- Enhances the longevity of the surface by creating a durable, waterproof membrane.

4. Swimming Pools:

- Can be used to waterproof the interior surfaces of swimming pools.
- Offers excellent resistance to water and chlorine exposure.

5. Wet Areas in Bathrooms and Kitchens:

- Provides waterproofing in areas where water exposure is frequent, such as bathrooms, kitchens, and laundry rooms.
- Prevents mold growth and structural damage caused by moisture.

6. Parking Decks and Garages:

- Protects the concrete surfaces in parking structures or garages from water and chemical damage.
- Provides long-lasting resistance to abrasion, chemicals, and de-icing salts.

7. Concrete Surface Protection:

- Used on industrial and commercial floors to prevent water damage.
- Creates a durable, seamless waterproof barrier over concrete surfaces exposed to weather conditions.

8. Industrial Applications:

- Waterproofing for tanks, pipes, and storage facilities, where water resistance is crucial.
- Ideal for use in chemical plants, refineries, and other heavy industries where water and chemicals may compromise the surface.

9. Metal Surface Protection:

- Can be used for waterproofing and protecting metal surfaces, such as steel, from rust, corrosion, and water damage.

10. Foundation Piles and Retaining Walls:

- Protects against water penetration in foundation piles and retaining walls, especially in areas with high groundwater levels.

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Additional Information

COVERAGE RATE	PACK SIZE	SHELF LIFE
1 sqm/liter/coat	**Packaging Size**: **4Ltr set** Resin: 3 Hardner :1	12 months from date of manufacture if stored in shaded and dry area.

11. Bridges and Infrastructure:

- Waterproofing for bridges, tunnels, and other infrastructural elements to prevent water damage and ensure structural integrity over time.

12. Decks and Marine Applications:

- Suitable for use on boats, docks, and other marine applications, where exposure to water and harsh weather conditions is constant.
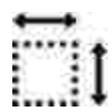
Features & Benefits

- Excellent waterproofing and moisture resistance.

- UV stability, providing long-lasting protection (based on requirement).

- Flexible, crack-bridging properties.

- Strong adhesion to concrete, metal, wood, and other common building substrates.

- Chemical and abrasion resistance.

- Can be applied in both positive and negative side waterproofing applications.

Properties

Form	Part A – Base Part B – Hardener
Mixed Density	1.15
Pot Life	30-40 minutes @ 25 degC
Tack free time	4-6 hours
Chemical Resistance	Wide range of acids, alkalis, solvent, petrol, diesel, lubricating oil etc.,
Tensile Strength	40-50 MPa
Shore Hardness	70-75 (D Scale)

4. Surface Preparation:

- Ensure the surface is clean, dry, and free from oils, grease, dirt, and any other contaminants.
- For concrete surfaces, it is recommended to abrade the surface to improve adhesion.
- New concrete should be cured for at least 28 days before application.
- For metal surfaces, remove any rust or oxide layers using wire brushing or sandblasting.

5. Application Instructions:

1. **Mixing**: Thoroughly mix the two components (Part A and Part B) in the specified ratio of 4:1 until the mixture is uniform.
2. **Application**: Apply the mixed product using a brush, roller, or airless spray onto the prepared surface.
   - For best results, apply in two coats (first coat applied thinly, second coat applied after the first has dried).
   - Allow the first coat to cure for 4-6 hours before applying the second coat.
3. **Curing**: Allow 24-48 hours for the full cure of the system at room temperature.

injury incurred from product handing without appropriate technical precautions.

Color plus reserves the right to change the product specifications or properties. All orders are considered based on current delivery and sale infrastructures

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6. Storage:

- Store in a cool, dry place, away from direct sunlight, moisture, and extreme temperatures.
- Shelf life: 12 months from the date of manufacture when stored in unopened containers at 20°C.

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Note: Protection Coat required

7. Health and Safety:

- **Personal Protection**: Wear gloves, goggles, and suitable protective clothing during application.
- **Ventilation**: Ensure adequate ventilation during application to prevent inhalation of fumes.
- **First Aid**: In case of skin contact, wash immediately with soap and water. If eye contact occurs, flush with plenty of water for at least 15 minutes and seek medical advice.
- **Inhalation**: If exposed to excessive fumes, move to fresh air immediately. Seek medical attention if symptoms persist.

General Terms & Conditions

Users must always refer to the most recent data sheet. Upon request, additional copies will be provided. This technical data sheet is given in good faith and does not guarantee the optimum utility of the product always. The information contained herein is believed to be reliable to the best of our knowledge.

Color Plus is exempted from all legal liability in case of injury incurred from product handing without appropriate technical precautions.