

# CP RP PRIME

## Description

A high-performance polyurethane-based primer designed for use on metal, concrete, and other substrates to enhance the adhesion of subsequent polyurethane or other topcoats. The primer offers excellent corrosion resistance, improved surface bonding, and long-lasting durability in harsh environments.

## Uses

- ❖ Widely used on steel, iron, and aluminum surfaces to prevent corrosion, especially in industries like construction, automotive, and marine.
- ❖ Marine Applications
- ❖ Applied to infrastructure like bridges, pipelines, and storage tanks to prevent corrosion from environmental factors, increasing the overall structural integrity.
- ❖ **Automotive Industry:** These Primer are used to protect automotive parts, including chassis and underbody components, against road salt and moisture.
- ❖ **Chemical Industry:** In industries where equipment comes into contact with chemicals, PU primer provide a protective layer that resists the harsh effects of chemical exposure and prevents rusting.

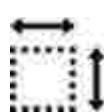
## Features & Benefits

- ❖ **Excellent adhesion** to a variety of substrates including steel, aluminium, and concrete.
- ❖ **Corrosion resistance** to prevent rust formation on metal surfaces.
- ❖ **Fast-drying** formulation for quick application and turnaround time.
- ❖ **UV resistance**, offering protection against degradation from sunlight.
- ❖ **Weather resistance**, ensuring long-lasting protection in outdoor applications.
- ❖ **Compatible with PU topcoats**, creating a durable, protective system.

## Properties

Form	Part A - Base Part B - Hardener
Mixed Density	
Pot Life	3-4 hours @ 25 degC
Tack free time	30 to 40 minute@30 degC
Chemical Resistance	Wide range of acids, alkalis, solvent, petrol, diesel, lubricating oil etc.,

## Additional Information

COVERAGE RATE	PACK SIZE	SHELF LIFE
		
Concrete: 100-120sqft/liter/One coat	04:01 5 kg/Box	Base- 12 month Hardener-6 months

## Application Methodology

- ❖ **Substrate:** Steel, aluminum, galvanized metal, concrete, and other metal surfaces.
- ❖ **Application Method:**
  - **Spray Application:** Airless spray or conventional spray system.
  - **Brush or Roller Application:** For smaller or detailed areas.
- ❖ **Surface Preparation:**
  - Clean and remove all dirt, oil, grease, rust, and other contaminants from the surface using appropriate cleaners and degreasers.
  - Apply one coat of CP RP Prime one coat
  - For metal surfaces, ensure that they are sandblasted or mechanically cleaned to a minimum of SSPC-SP 6 standard.
  - For concrete, ensure the surface is dry and free of laitance. Apply one coat if primer using brush or roller.

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## Application

Mix the materials using machine or spatula. The mixed material shall be applied using brush, roller or suitable airless spray equipment. Substrates the material may get absorbed and additional coat may be required.

Depending on the application methodology of subsequent finishes, RECOAT- after drying of first coat (2 hours), its recommended for second coat.

## Application Restrictions

- Avoid application below 5 deg C and above 40 deg C. Pot life of mixed material will change based on ambient temperature.
- Substrate moisture must be checked prior to application.

## 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 handling 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.

## Health & Safety:

### ❖ Precautions:

- Use in well-ventilated areas.
- Wear appropriate protective equipment, including gloves, goggles, and a respirator (if necessary).
- Avoid contact with skin and eyes. In case of contact, rinse immediately with plenty of water.
- Do not ingest. If swallowed, seek medical attention immediately.

### ❖ Safety Data Sheet (SDS):

Available upon request.

## Storage and Shelf Life:

### ❖ Storage Conditions:

- Store in a cool, dry area away from direct sunlight, heat sources, and open flames.
- Keep containers tightly closed when not in use.

### ❖ Shelf Life:

- Resin: 12 months from the date of manufacture (in an unopened container).
- Hardener: 6 months from the date of manufacture (in an unopened container).