CP POLY SCRATCH HYBRIDE

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

Description

CP POLY SCRACTCH is a high-performance, three-component system designed to create a smooth, durable, and adhesive base layer for industrial and commercial flooring applications. It is used to fill surface imperfections, level uneven substrates, and enhance adhesion before applying topcoats such as epoxies, polyurethanes, or other protective coatings.

Uses

- **Surface Preparation & Leveling**:

  Fills cracks, pinholes, and surface imperfections in concrete. Levels rough or uneven surfaces to create a smooth base. Enhances adhesion for epoxy, polyurethane, and polyaspartic coatings

- **Industrial & Commercial Flooring**

  Used as a base layer in factories, warehouses, and manufacturing plants to support heavy machinery and traffic. Strengthens floors in commercial spaces, shopping malls, and office buildings for long-term durability. Provides a seamless, non-porous base in food processing units and pharmaceutical facilities, meeting hygiene standards.

- **Moisture & Chemical Protection**

  Serves as a primer for garage floors, basements, and patios before applying decorative epoxy coatings. Provides a durable, long-lasting foundation for metallic epoxy, terrazzo, and quartz-filled flooring systems.

- **Slip-Resistant & Heavy-Duty Coatings**

  Can be mixed with aggregates, sand, or quartz to improve traction and create a non-slip surface in parking decks, ramps, and wet areas. Ideal for airports, hospitals, and public spaces that require high durability and safety.

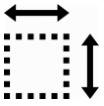
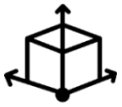
Features & Benefits

- **High Bond Strength** – Strong adhesion to concrete, wood, and other substrates, preventing delamination.
- **Surface Smoothing** – Effectively fills cracks, voids, and rough textures, ensuring a uniform base for subsequent coatings.
- **Durable & Wear-Resistant** – Withstands heavy traffic, mechanical impact, and abrasion.
- **Chemical & Moisture Resistance** – Protects floors from water, oils, and harsh industrial chemicals.
- **Fast Curing Options** – Available in standard and fast-set formulations to reduce downtime.
- **Low VOC & Eco-Friendly** – Formulated to comply with environmental regulations for safer indoor air quality.
- **Compatible with Various Topcoats** – Works well with epoxy, polyurethane, and polyaspartic finishes.

Properties

Form	Part A – Base Part B – Hardener Part C - Filer
Mixed Density	
Application thickness	1mm to 10mm
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.,

Additional Information

COVERAGE RATE 	PACK SIZE 	SHELF LIFE 
THEORETICAL CONSUMPTION (1mm) For 1 sq mtr ≈ 600 grams (liquid) 900 grams (Filler)	40 Ltr	12 months from date of manufacture if stored in shaded and dry area.

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Application Methodology

- **Clean the Surface** – Remove all dust, dirt, grease, oil, and contaminants using a degreaser or pressure washer.
- **Repair Imperfections** – Fill cracks, holes, and spalls using an epoxy patching compound or filler.
- **Profile the Surface** – Use mechanical grinding or shot blasting to create a rough texture for better adhesion.
- **Check Moisture Levels** – Ensure the concrete is dry and moisture content is within the product's tolerance limits.

Mix Ratio – Follow the manufacturer's recommended **resin-to-hardener** ratio (usually **2:1 or 3:1**). **Use a Low-Speed Drill Mixer** – Blend components for **2-3 minutes** until the mixture is uniform. **Avoid Air Bubbles** – Do not mix at high speeds or introduce excessive air into the blend.

Application

- **Pour the Epoxy** – Immediately after mixing, pour the epoxy onto the prepared surface.
- **Spread with a Squeegee or Trowel** – Distribute the material evenly across the floor at the desired thickness.
- **Back Roll for Uniformity** – Use a **medium-nap roller** to smooth out ridges and ensure even coverage.
- **Optional Aggregate Broadcast** – For **anti-slip properties**, broadcast silica sand or quartz.

Curing & Drying Time

- **Initial Set Time** – **6-10 hours** (depending on temperature and humidity).
- **Recoat/Topcoat Application** – After **10-14 hours** but within the manufacturer's recoat window.
- **Light Foot Traffic** – After **12-16 hours**.
- **Full Cure** – Typically **2-3 days** for maximum strength.

Tips for Best Results

- Work in **sections** to avoid material setting before spreading.
- Maintain proper **temperature and humidity** levels as per the product's technical data sheet.
- Use **spiked shoes** when walking on wet epoxy to avoid footprints.
- Always wear **protective gloves, eyewear, and a respirator** when handling epoxy products.

Application Restrictions

- Avoid application below 5deg 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.
Colourplus is exempted from all legal liability in case of 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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