

CP POLYSCRATCH

(1MM) – HYBRID



Description

High Strength, two-part, solvent free epoxy, repair compound and adhesive with fine filler for wide range of applications on various substrates, for horizontal surfaces. Designed for creating smooth, durable, seamless flooring systems in commercial, industrial, and residential spaces. Often used in areas requiring high wear resistance, such as warehouses, production areas, and food processing plants. Epoxy screed is suitable for applications from scratch coat up to 2mm

Uses

- Screed for epoxy, polyurethane and polyurea coating applications.
- General concrete repair works such filling of pin holes, surface cracks and other surface imperfections etc.
- Sealing of cracks after resin injection works.
- Annular gap sealing applications in concrete and metal.
- Suitable for various sealing and bonding applications in concrete, natural stone, ceramics, wood etc.

Features & Benefits

- Superior adhesion to concrete, ceramics and natural stone surfaces
- It is highly resistant to wear and tear, making it perfect for areas with heavy foot or vehicular traffic.
- Provides extremely high strength and rigid seal.
- Resistant to wide range of chemicals.
- Solvent Free product. Non-Toxic.
- Excellent abrasion and impact resistance.
- Suitable for thin layer applications.
- Impermeable to water and corrosive gases.
- Suitable for the vertical and horizontal applications.

Properties

Mixed Color	
Solid Content	100% ±1%
Pot Life	40 minutes @ 25°C
Mixed Density	1500±50kg/m ³
Compressive Strength (BS 6319, 7 days)	>70Mpa
Flexural Strength (BS6319, 7 days)	30 Mpa
Tensile Splitting (BS EN 12390, 7 days)	8 Mpa
Adhesion to Concrete (ASTM D4541)	>3 Mpa (Substrate failure)
Curing Time	Initial Cure: 6 hours Full cure: 2-4 days
Chemical Resistance (ASTM D1308)	Ground Water, Sea Water, kerosene, petrol, diesel and wide range of acid, alkalis and solvents.

Additional Information:

	THEORETICAL CONSUMPTION (1mm) For 12 sq mtr ≈ 6.72 KG (liquid) 12 KG (Filler)
	PACK SIZES: - 18.72 KG PER SET
	SHELF LIFE 12 months from date of manufacture if stored in shaded and dry area 25°C.

Application Methodology

• Surface Preparation

Concrete surfaces must be sound, dry, and free of dust and other contaminants. Smooth concrete surface must be roughened enough to enhance adhesion of Epoxy Screed to the substrate.

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Mixing

Mixing of Part A and Part B components and filler carried out mechanically using a slow speed mixer for 2-3 minutes until a creamy and homogenous mix consistency is obtained. Hand mixing shall be carried out for small quantities by mixing the base and hardener components as per recommended mixing ratio.

Application

The mixed material shall be applied using a spatula or steel towel to the required thickness. If sagging occurs remove the material and reapply at lesser thickness. Subsequent layer of Epoxy Screed shall be applied after the first layer has cured for minimum 6 hours at 35°C.

- 1. Surface sealing of static cracks and joints:** Open the crack/joint to minimum 3-6mm wide and 5-10mm deep. Fill with mixed Epoxy Screed.
- 2. Surface sealing for Resin Injection:** Prepare the surface and apply a 3mm thick band of Epoxy Screed across the crack. Allow to cure for 12 hours prior to starting injection.
- 3. Surface repairs and protective coating applications:** Apply on a clean and dry surface at application thickness not exceeding 3mm per layer as skim coat and 10mm if used for filling pin/blow holes and voids. Higher thickness shall be built up in layers after the first layer has dried sufficiently.

Cleaning of Epoxy screed application tools shall be carried out using Solvent.

Application Restrictions

- ✓ Bond strength will vary with method of surface preparation and degree of contamination.
- ✓ Not suitable for application at ambient temperature below 10°C and above 50°C. Pot life of mixed material will reduce at high ambient temperature.

Health & Safety

Epoxy Putty should not come in contact with eyes or to be swallowed. Always ensure adequate ventilation

and avoid inhalation of vapors. The applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes, flush with plenty of fresh water and seek medical advice. Disposal of Epoxy Putty blended waste material and spillages must be strictly carried out as per local environmental regulations.

Refer Material Safety Data Sheet or consult technical department for further details.



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.

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