

POLYCOLOR SELF LEVELING EPOXY FLOOR COATINGS

Polycolor Self Leveling Epoxy Floor Coatings is a type of resin-based floor coating designed to create a smooth, seamless, and durable surface. It is commonly used in industrial, commercial, and residential environments that require a high-performance floor with aesthetic appeal.

PRODUCT BENEFITS

- **Self-Levelling:** Smooth and professional finish.
- **Mechanical Strength:** Resists heavy wear and impact.
- **Chemical Resistance:** Defends against aggressive substances.
- **Excellent Adhesion:** Strong bond with concrete substrates.
- **Zero VOC:** Indoor-safe and environmentally conscious.
- **Hygienic Surface:** Ideal for food, pharma, and healthcare facilities.
- **Two-Component Control:** Ensures consistent mix and performance.
- **Seamless finish** – No joints or grout lines.
- **Smooth and glossy appearance** – Can be customized with colors, flakes, metallic pigments, or patterns.
- **Durable and hard-wearing** – Resistant to abrasion, impact, and heavy loads.
- **Chemical and stain resistant** – Ideal for laboratories, garages, and manufacturing facilities.
- **Hygienic and easy to clean** – Often used in hospitals, kitchens, and pharmaceutical environments.

SURFACE PREPARATION

New Concrete (minimum 28 days cured):

- Rinse with clean water and let dry.
- Remove dust and debris.
- Apply directly after surface is dry.

Old Concrete:

- Chip off loose material.
- Power grind or blast to create surface profile.
- Repair defects with epoxy Screed.

Moisture content must not exceed 4%. Ensure surface is clean, dry, and sound.

Proper surface preparation is essential for coating performance and lifespan.

APPLICATION CONDITIONS

- Ambient Temp: Min. 10°C
- Substrate Temp: Min. 3°C above dew point
- Relative Humidity: 20% – 85%
- Ventilation: Ensure proper airflow during and after application
- Dust-Free Environment: Critical during curing

APPLICATION METHOD

- 1st coat applies Self-Levelling Epoxy Sealer
- After drying then apply 1 coat of Epoxy Screed if the floor is dent/ not even.
- After drying then apply the Self-Levelling Epoxy Topcoat. **Thickness as per requirement** (tinted)
- Apply using trowel or mohair roller
- Immediately finish with a spike roller to release air and level the surface
- Apply in one or more coats depending on required thickness
- Spike rolling is essential to avoid bubbling and ensure smooth finish.
- Actual coverage may vary depending on surface texture and porosity.

CLEANING OF TOOLS & THINNING

- Clean tools with thinner immediately after use
- Do not add thinner to the product

STORAGE & SHELF LIFE

- Store in cool, dry, well-ventilated area (10-30°C)
- Keep containers sealed and away from direct sunlight
- Shelf Life: 12 months (unopened)

PRODUCT FEATURES

Surface	Interior & Exterior
Available Pack	30L
Shelf life	1 years from date of manufacture in original tightly closed containers.
Available Color	Any color on demand
Coverage	1.2-1.5 m ² /L/1mm Epoxy
Finish	Smooth, Glossy, uniform
Drying time to touch	4 – 6 hours

TECHNICAL INFORMATION

PROPERTIES	STANDARD SPECIFICATION	RESULTS
Elongation %	ASTM D 412	6–12%
Tensile strength, Mpa	ASTM D 412	18–25 MPa
Water Resistance	SS 500	No blistering or delamination
Water Absorption @ 24 hrs	ASTM D 417	< 0.3%
Water Vapour Transmission	ASTM D 1653	< 1.0 g/m ² /24 hrs
Accelerated QUV @ 3000 hrs	ASTM D 4587	No chalking, cracking, or yellowing
Crack bridging Ability	EN 1062-part 7	≥ 0.5 mm (Class A1)
Positive Hydrostatic Pressure	DIN 1048	Withstands ≥ 5 bar
Anti carbonation	EN 1062-part 6	CO ₂ Diffusion Equivalent ≥ 50 m
Rapid Chloride ion Penetration test	ASTM C 1202	< 1000 Coulombs (Very Low)
Total thickness	170 - 190 microns	1.5 – 2.5 mm (1500 – 2500 µm)

PRECAUTIONS & SAFETY MEASURES

- Apply only on sound, dry, and properly prepared substrates (moisture \leq 4%)
- Avoid use below 10°C or in high humidity
- Not suitable for surfaces exposed to rising damp
- Spike roller must be used to prevent bubbles
- Avoid inhalation of vapours and spray mist
- Use in well-ventilated areas; forced ventilation recommended in confined spaces
- Avoid contact with skin and eyes. Wash skin with soap and water. Rinse eyes thoroughly and seek medical help if needed.
- Store the container with the tightly closed lid in an upright position, in a cool and dry place.
- Keep out of reach of children and away from eating tables.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- Do not breathe vapor or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- Do not pour leftover paint down the drain or in water

DISCLAIMER The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.