EG-2025

SMOOTH FINISH COATING

1-844-557-3729

BUILD TOGETHER

TECHNICAL DATA SHEET (version 08/2021)

DESCRIPTION

EG-2025 is a two-component coating system based on epoxy resin. It has been specifically formulated to maintain the integrity of concrete surfaces while giving them a shiny and very aesthetic appearance. Designed for general use, EG-2025 is a silicone and solvent free, 100% solids, self-leveling and self-priming system. It is used as a smooth jointless coating with a very high filling power. It is particularly recommended for medium to heavy traffic areas. It is a versatile product with good mechanical and chemical resistance with an unlimited choice of colors.

ADVANTAGES

- Good mechanical and chemical resistance
- Excellent abrasion resistance
- Excellent resistance to the proliferation of fungi and bacteria
- Shiny and aesthetic finish
- Zero VOC allowing interior application without harmful odors
- Durable, waterproof, and seamless
- Easy to clean and maintain
- Excellent adhesion to concrete
- Good resistance to de-icing fluid (Ethylene glycol)
- Unlimited color, no minimum required
- Meets CFIA standards for use in food processing plants
- Can contribute greatly to LEEDv4 credit

APPLICATIONS

- Arenas and sports centers
- Commercial and industrial facilities
- Food factories and catering areas
- Institutional and recreational facilities
- Warehouses and production areas for light to medium loads
- Printing, pulp, and paper mills
- Refineries and chemical plants
- Retail stores
- Schools, universities, and hospitals
- Car dealerships and aircraft hangars

INSTRUCTIONS AND SURFACE PREPARATION

The concrete surface must be perfectly clean and all contaminants such as dust, laitance, grease, oil, dirt, rust, existing paint films, efflorescence, biological residues must be removed from the surface by appropriate mechanical means (such as NewGrind CSP 3-4 or equivalent). The compressive strength of the concrete substrate should be at least 25 MPa (3625 lbs per square inch) at 28 days.

PREPARATION

Pre-mix each component separately. With the correct mixing ratio, dump component B into component A. Mix the combined components for at least (2-5) minutes, using a low-speed drill (300-450) to minimize entrapment of the air. During the mixing operation, scrape the sides and bottom of the container with a flat or straight trowel at least once, to ensure thorough mixing. When fully mixed, the color and consistency should be uniform. Mix only the amount that can be used during its pot life.

APPLICATION

Primer or Basecoat: Apply EG-2025 as a basecoat using a squeegee or roller to achieve a uniform film build (8-10 mils) without puddling.

Topcoat: Once the primer coat is tack free, apply the topcoat using a squeegee or roller to achieve an even coverage of 0.15 - 0.30mm. If the time between coats exceeds 48 hours at 22°C (71°F), sand the surface and wipe with a cloth soaked in solvent.

WAITING TIME BETWEEN COATS AND SURFACE TEMPERATURE

10°C	**24 hours Minimum**	**4 days Maximum**
20°C	**12 hours minimum**	**48 hours maximum**
30°C	**6 hours minimum**	**24 hours maximum**

CAUTION

- Minimum concrete temperature: 10°C
- Maximum concrete temperature: 30°C
- Maximum relative humidity during application and curing: 85%
- Concrete temperature must be 3°C (5.5°F) above measured dew point
- The moisture content of the substrate must be less than 4% when applying the coating
- Do not apply to porous surfaces where moisture transmission may occur during application.

- Protect from all sources of moisture during the initial 24-hour cure period.
- This product is for indoor use only.

TECHNICAL DATA

Packaged in 18.9 L and 3.78 L
sets Custom color available upon request.

Primer Coverage:	140 - 160 (Sq. Ft./Gal.) (4-6 mils)
Coating Layer:	80 - 100 (Sq. Ft./Gal.) (15 - 20 mils)

2-year shelf life in original unopened packaging when stored dry between 5 and 32°C (41 and 89°F). The product temperature should be between 18 and 30°C before use.

Mixing ratio	A : B = 2:1 by volume	
Operating temperature	Min. 0°C (32°F) Max. 50°C (122°F)	
Pot Life 150g (mins)	45 – 50 mins	
Setting Time (0.1-0.15mm)	6 - 8 hours	
Curing Time		
Foot Traffic	24 – 36 hours	
Light Motorized Traffic	04 – 05 days	
Properties at 23°C (73°F) and 50% RH.		
Specific Gravity ASTM D1475		
	A: 1.71 – 1.72 B: 1.03	
Compressive strength ASTM D695	63 MPa	
Flexural Strength D790	59.4 MPa	
Tensile Strength ASTM D638	38.76 MPa	
% Flexural Elongation	3.5 %	
% Tensile elongation	2.39 %	
Adhesion ASTM D4541	490 psi (substrat failure)	
Hardness, shore D ASTM D2240	75-85	
Abrasion Resistance ASTM D4060		
Taber Abrader; CS17 / 1000 g (2.2 lbs)	0.056g	
Water Absorption ASTM D570 (24 hrs)	0.18%	
Water Absorption ASTM D570 (7 d)	0.55%	
Static and dynamic coefficient of friction ASTM D1894		
(Steel on resin)	µs: 0.33	µk:0.25
(72 Shore A rubber on resin)	µs: 1.02	µk: 0.84
VOC content	<10 g/L	
Chemical resistance	% Mass lost	

10% NaOH aq	0.4
10% H2SO4 aq	1.3
Xylene	0.2
Ethanol	3.8
Water	0.6

CLEANING

Clean all tools and equipment with EXPERT 3G EPOCLEAN cleaner. Once cured, the product can only be removed mechanically.

HEATH SECURITY

For information and advice on the safe handling, storage and disposal of chemicals, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological, and other data. relating to security.

KEEP OUT OF REACH OF CHILDREN
INDUSTRIAL USE ONLY