



Uniguard Epoxy SL C

Product Description

Uniguard Epoxy SL C is a solvent free amine cured epoxy coating. It is a high-performance product. Self-levelling epoxy specially designed as a tough heavy-duty coating for the reinforcement and protection of concrete floors.

Features and Benefits

- Excellent wear and abrasion resistance.
- Good levelling properties.
- Easily cleaned.
- Excellent adhesion on concrete substrate
- Chemically resistant.

Typical use

- A durable, high gloss epoxy coating for high traffic areas such as factories, show rooms and workshops.
- Suitable for food and pharmaceutical plants.
- Traffic areas as garages, car-parks, or industrial floorings

Substrate

Concrete floor.

Product Data

Packaging size	15 Kg (Comp A + Comp B)
Colors	Multiple Color through adding color pack.
Solids by volume	98 ± 2%
Mixed Density	1.09 g/cm ³ (Comp A + Comp B)

Product Mixing ratio	(by weight)	(by volume)
Uniguard Epoxy SL Comp A	2.3 part(s).	2.13 part(s)
Uniguard Epoxy SL Comp B	1 part(s)	1 part(s)
Compressive Strength@ 7 days	65-75 N/mm ²	
VOC	2 g/l (LEED Compliant)	
Pull Off Adhesion@ 7days	> 1.5 N/mm ² (concrete failure)	



Application data

The product can be applied by

Trowel Recommended

Roller Recommended

Cleaning of painting tools

Immediate cleaning with Thinner Epoxy is necessary.

Film Thickness per coat

Dry film thickness 500 µm - 4000 µm

Theoretical spreading rate 1.90-2.0 m²/l - 0.23-0.25 m²/l

Thinner (solvent to mix with)

Uniguard Epoxy Thinner

Dilution (Mix Ratio)

No need for dilution.

Conditions during application

Do not apply if the temperature is below 10°C and not more than 40°C. make sure the surface is free from moisture and cracks.

Drying and curing time @ 25 °C

Surface (touch) dry 2 h

Full Cure 7d

Directions for use

Surface Preparation

- Ensure that surface is thoroughly cleaned and free from grease, oil, dirt, dust, salts and other containment.
- Surface must be dry and fully cured.

Mixing

Epoxy SL C flooring is supplied in four pre-weighed packs (base, hardener, aggregate and color pack) which are ready for immediate on-site use. Part mixing of these components is not acceptable and will affect both performance and appearance of the finished floor.



Mixing should be carried out using either a forced action mixer; or a heavy duty, slow-speed drill fitted with mixing paddle MR4. The components should be mixed in a suitably sized mixing vessel.

The colour pack should be added to the base container and mixed for 15-30 seconds, until homogeneous. Then add the hardener and mix for further 30 seconds, until an even colour and texture is obtained.

Thereafter, the contents of the graded aggregate pack should be slowly added and mixing carried out for a further 3 minutes until a completely homogenous material is obtained.

The below table shows the necessary amount of aggregate that is added to the product to reach the thicknesses mentioned in the table.

Required Thickness	aggregate	Ratio of mixing
500-600 µm	Uniguard Aggregate Ultra Fine	1:0.25
1 mm	Uniguard Aggregate Fine	1: 0.5
2 mm	Uniguard Aggregate Fine	1: 1
3 mm	Uniguard Aggregate Medium	1: 1
4 mm	Uniguard Aggregate Medium	1: 1.5

Caution

- Clean the mixing container before use.
- Do not exceed dilution ratios.
- Do not use dirty tools.
- Keep out of the reach of children
- This can't be used for food storage.

Health and Safety

Possible Hazards: It causes irritation in case of skin contact & eye contact, flush immediately with plenty of water for at least 10 minutes and seek medical advice if needed.