



EnerFloor SF-2K Epoxy Top Coat is a two pack, solvent free, high performance epoxy floor coating. It offers excellent chemical, abrasion resistance and load resistance.

KEY FEATURES

- Durable & cost effective
- Excellent abrasion resistance
- Excellent Water and Chemical Resistance

INTENDED USAGE

As a topcoat for floor surfaces in recommended for heavy duty parking areas, ramps, loading bays garages, chemical manufacturing plants, Warehouses with forklift wherein lasting protection from abrasion and heavy loads is required.

APPLICATION GUIDELINES

Surface Preparation

Ensure that surfaces are dry, sound and free from dust, dirt, grease and oil before painting.

New Concrete Floor:

- The concrete should have been cured for at least 28 days and have moisture content of less than 4%.
- Floors should be sound and free from loose materials and any contamination such as oil and grease that would prevent coating adhesion.
- Excess laitance deposits should be removed by light mechanical scrubbing, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris.

Old Concrete Floor:

- A sound, clean substrate is essential to achieve maximum adhesion.
- Excess laitance deposits should be removed by light mechanical scrubbing, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris

Filling:

- Fill the dents and cracks in the surface with mixture of 1 Part of EnerFloor SF-2K Epoxy and 2 parts of Fine Aggregate or with Epoxy filler.

Mixing

Material is supplied in two component as base & hardener to be pre-mixed before use. Do not mix and store. Stir both components separately with a power mixer until homogeneous. Add the hardener to the EnerFloor SF-2K Epoxy base and mix thoroughly together. Mix 3 parts base with 1 part hardener. Ready to use do not thin.

TECHNICAL PROPERTIES

Characteristics	*Values
Appearance	Gloss
Generic Type	Epoxy
Viscosity	N.A
Volume Solids	Approx. 98%
Specific Gravity	1.6 appx. @ 73°F (23°C)
Flash Point	>66°C
VOC	< 24 g/l
Recommended DFT per coat (Roller application)	Min:6 mils(150 µm)–Max:10 mils(250 µm)
Self-levelling	40 – 120 mils (1 – 3 mm DFT may vary depending on surface condition)
Theoretical Spread Rate	200 ft ² /Gal (5 m ² /l) @ 200 µm DFT

** Actual spread rate will vary based on surface condition, wastage and film thickness applied.*

Cleaning

Clean equipment immediately after use with Epoxy thinner. All surplus materials and empty containers should be disposed-off in accordance with appropriate regional regulations.

Environment

	Surface Temp,	Ambient Temp,	Relative Humidity
Min*	50° F (10° C)	50° F (10° C)	10%
Max	86° F (30° C)	104° F (40° C)	80%

**or 35°F (2°C) min. above dew point*

Anti-Skid:

- Mix the base and hardener of EnerFloor SF-2K Epoxy in the given proportion
- Stir using slow speed drill and paddle.
- Pour the mixture on the floor and spread using medium pile hair roller or rubber spreader.
- Ensure any loose hair is removed from the roller
- Apply at 8 mils (200 µm) to a smooth continuous film. It is very important to pierce the coating with a spiked roller, after achieving the desired thickness, to avoid air bubbles.
- After 15 minutes, sprinkle Medium Aggregates to completely cover the base coat.



- On complete drying, the whole surface to be thoroughly cleaned by means of brush or vacuum and remove all loose grains
- Finish off by applying second coat by medium pile hair roller, at a rate of 200 ft²/ Gal (5 m² /l). It is important that continuous film is achieved and the rough surface, caused by the aggregate, is completely sealed.

Self-Leveling Preparation

- Mix the base and hardener of EnerFloor SF-2K Epoxy in the given proportion.
- Pour the mixture to another container and add equal part by weight of Fine aggregate while continuing stirring using power mixer with paddle blade. Mix 3 minutes.
- Immediately pour this mixture onto a well primed surface. Using steel serrated trowel spread the mixture well on the surface to required thickness.
- It is very important to pierce the coating with a spiked roller, after achieving the desired thickness, to avoid air bubbles.

CURING TIME

Characteristics	Values
Touch Dry	6h @ _73°F (23 °C)
Dry to handle Recoating	24h @ _73°F (23 °C)
Recoating	Min: 16h @ 73°F (23 °C) Max: 48h @ 73°F (23 °C)

COLORS

White and range of standard colors

PACKAGING SIZE

4.75 Gal (Base+ Hardener) & 25 Kg for Aggregates

Disclaimer:

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control. NB: Technology may change with time necessitating changes to this Data Sheet. It is the responsibility of the user to ensure that the latest Data Sheet is being used.

For more details:

Website : www.enercon-group.com

Address : Tampa, Florida, USA

PRECAUTIONS

- For health reasons avoid dusting when preparing fiber cement surfaces. Keep surfaces wet and wash off residues with water.
- Do not paint under conditions of frost, dew, rain or fog or inclement weather.
Note: Painting under the above conditions may affect the performance of the paint film.
- Avoid painting during inclement weather or if temperature is below 50°F (10°C).
- To ensure colors on a project are consistent check if the batch numbers and/or colors supplied are the same.

STORAGE & HANDLING

Store away from direct sun, heat and severe cold

SAFETY

- Do not smoke while painting.
- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- Avoid contact with skin and eyes - In case of contact, rinse immediately with plenty of water and seek medical advice if symptoms persist.
- Harmful if swallowed. Do not induce vomiting. Seek medical attention.
- Flammable. Store in a cool dry place away from heat and sparks.
- Refer to Material Safety Data Sheet for complete information.

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