



EnerFloor SF-2K PU Top Coat is a solvent free, two pack, PU based high performance floor coating. It offers excellent chemical, abrasion and load resistance. It is self levelling product and gives seamless surface finish.

KEY FEATURES

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

INTENDED USAGE

As a topcoat for floor surfaces in heavy duty parking areas, ramps, loading bays, garages, chemical manufacturing plants, cold storages, laboratories, warehouses with forklift wherein lasting protection from abrasion and heavy loads is required. To be used as an intermediate coat of complete coating system in exposed environment.

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 Epoxy filler.

Mixing

Material is supplied in two component as base & hardener to be premixed 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 PU Topcoat base and mix thoroughly together. Mix 4 parts base with 1 part hardener. Ready to use, do not thin.

TECHNICAL PROPERTIES

Characteristics	*Values
Appearance	Gloss
Generic Type	Polyurethane
Volume Solids	Approx. 98%
VOC	3.2 g/l
Specific Gravity	1.6 appx. @ 73°F (23°C)
Flash Point	> 150°F (66°C)
Spread Rate	8 – 80ft ² / Gal (0.2 – 2.0 m ² / l)
Recommended DFT per coat	20 mils (500 µm) min. to 200 mils (5000 µm) max.

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

Priming

- Mix the base and hardener of EnerFloor SF Primer 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 150 µ to a smooth continuous film.

Topcoat(20 mils Thickness)

- Mix the base and hardener of EnerFloor SF-2K PU Topcoat in the given proportion.
- Apply using short hair lambswool roller to the required thickness.

Self-Levelling Topcoat(20mils – 200mils Thickness)

- Mix the base and hardener of EnerFloor SF-2K PU Topcoat in the given proportion.
- Immediately pour this mixture onto a well primed surface. Using steel serrated trowel spread the mixture well on to the surface to a 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	4h @ 73°F (23°C)
Dry to handle Recoating	24h @ 73°F (23°C)
Recoating	Min: 24h @ 73°F (23°C); Max: 48 h @ 73°F (23°C)



Cleaning

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

Environment Conditions

	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

COLORS

White and range of standard colors

PACKAGING SIZE

4.75 Gal (Base+ Hardener)

PRECAUTIONS

- Friable and powdery surfaces require special care before painting; if in doubt, contact manufacturer.
- 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

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

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.

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