



EnerFloor PU Enamel is a two-pack extremely tough, premium quality protective and decorative flooring finish coat

KEY FEATURES

- Unique polyurethane enamel that cross-links to form a resilient protective barrier that provides excellent weathering and stain resistance
- Dries to an attractive gloss finish with good abrasion and impact resistant
- For use where resistance to alkalis and mild acids are required

INTENDED USAGE

- To be used as a decorative and protective finish for floors.
- Recommended as a topcoat for areas such as ramps, car parks, parking bays, pedestrian walkways and industrial floors

APPLICATION GUIDELINES

Applicable Substrate

Thoroughly prepared floors

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

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

Mixing

Material is supplied in two containers as a unit. Stir both components separately with a power mixer until homogeneous. Add the hardener to the base and mix thoroughly together.

Mix 4 parts of Base with 1 part of Hardener.

Thinning

PU Thinner

Method

Brush, roller or spray.

TECHNICAL PROPERTIES

Characteristics	*Values
Appearance	Gloss
Generic Type	Acrylic Urethane
Volume Solids	47 ± 2 %
VOC	Less Than 500 g/l
Specific Gravity	1.3 g/l. @ 73°F (23°C)
Recommended DFT per coat	50 µm min. to 70 µm max.
Flash Point	73° F (23°C)
Theoretical Spreading Rate	300 ft ² /gallon (7.0 m ² /liter)@60µm OFT

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

Application

- Apply by brush, roller or spray working the material into the surface
- Apply at recommended spread rates
- Use Primer, Sealer, undercoat as recommended by ENERCON

CURING TIME

Characteristics	Values
Touch Dry	3 h at 73° F (23°C)
Dry to handle	24 h at 73° F (23°C)
Recoating	8 h at 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	104° F (40° C)	122° F (50° C)	50%

Or 35 °F (2 °C) 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, 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 the temperature is below 50°F (10 °C)
- To ensure colors on a project are consistent check 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 Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used

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