Power Floor SL

Colored self-leveling final epoxy mortar for heavily stressed floors.

Description: -

Colored, self-leveling, final epoxy mortar with high chemical and mechanical resistance, multi-purpose, especially for industrial flooring subjected to heavy stress. It is based on solvent-free epoxy resin, an amine hardener, and other carefully selected materials, in the form of three-component.

Usage: -

Used to obtain high-quality epoxy flooring with a thickness ranging from 1.5 to 4 mm in projects such as:

- **Surfaces and floors exposed to loads and chemicals.**
- **Production halls and storage floors in factories.**
- **Car parking areas, garages, and vehicle service stations.**
- **Industrial floors exposed to chemicals and harsh conditions.**
- **Food factory floors, hospital floors, and intensive care units.**
- **Slaughterhouse floors, dairy facilities, laundries, distillation units, boilers, and various storage areas.**

- Road and bridge facilities, water stations, and sewage treatment plants.
- Nuclear power plant floors and structures exposed to harmful chemical effects.
- Packing plant floors, chemical industries, power stations, and textile factories.
- Laboratory floors and rooms exposed to radiation.
- Logistics storage areas.
- Painting various surfaces such as wooden surfaces, cement plaster surfaces, and iron surfaces.

Advantages: -

- High adhesive strength on concrete floors and various flooring types
- Exceptional hardness and high resistance to mechanical stress.
- Superior abrasion and friction resistance with anti-slip properties.
- Smooth texture unaffected by washing.
- Excellent resistance to chemicals, moderate acids, oils, and greases.
- Solvent-free with no harmful health effects.
- Non-flammable.
- High load-bearing capacity for various weights.
- Available in multiple attractive colors with custom coloring options.
- Easy application, odorless, and requires no special equipment.
- Can be applied seamlessly without joints.
- Functions as a water and liquid barrier.

Characteristics: At 25°

color	Customized
Mixing ratio by weight A : B : C	2 : 1 : 3
Solid content ratio by weight A to B.	99 ± 1 %
Density kg/liter	1.55 ± 0.05
Pot life	30 : 45 minutes
Initial setting time	Average 8 hours
Final setting time	24 hours
Recoating time	18 hours
Full hardness	7 days
Rate of use (Theoretical)	Average 3.5 kg / m^2 (2 mm thickness)

Application instructions: -

Note: New Concrete should be at least 28 days old and surface moisture should be less than 4%.

- **Thoroughly clean the surface, ensuring it's free from any contamination that may affect adhesion strength, such as dust, dirt, oils, grease, or concrete laitance.**
- **For any holes or protrusions, first coat with Power Poxy Primer, then fill with Power Poxy Putty**
- **Apply a coat of Power Poxy Primer to the surface**
- **Apply a layer of Power Poxy Putty epoxy filler (using one or more putty knives depending on surface conditions) and sand the surface thoroughly after drying until completely even**
- **Apply either Power Poxy Primer or Power Poxy Primer SF, Then allow the surface to dry until reaching tack-free condition.**

Mixing and Apply

- Add hardener component [B] to component [A] and mix both components thoroughly.
- Gradually add filler component [C] while continuously stirring at low speed (not exceeding 300 RPM) until complete homogeneity is achieved.
- If thinning is required, gradually dilute with [Power Solve SF] at a maximum ratio of 7% of total weight or use Power Solve 5 solvent at a minimal possible ratio.
- Pour and evenly distribute the product using:
  Steel or plastic notched trowel (size selected based on required thickness) Ensure complete coverage without seams
- Remove entrapped air using a spiked roller

Critical Notes:

- Level the surface in both directions, then in one direction (according to required thickness)
- For color consistency, use the same batch number for the entire area. When using different batch numbers is unavoidable, apply minimal test quantity first to verify color match before full application.
  • Immediately clean all tools after use with Power Solve 1

Safety precautions: -

- The product should be applied in a well-ventilated area.
- Gloves, protective clothing, and eye goggles should be worn during application.
- Never eat, drink, or smoke during application.

- In case of skin contamination, wash the contaminated area with water and soap.
- In case of eye contamination, immediately wash with abundant lukewarm water and consult a doctor immediately.
- Avoid spilling residues of the product into any watercourse or soil.
- Dispose of product residues or empty containers according to local environmental regulations.

Packages: -

2 Kits [A + B] [1, 6, 20 kg].

Storage: -

The product should be stored for two years in tightly sealed containers and under appropriate storage conditions.

For more information or inquiries, Visit our website.

Power-cp.net

Disclaimer: The technical data provided herein is accurate and correct as of the publication date and is subject to change without prior notice. The information in this datasheet is not exhaustive. Application conditions should comply with those mentioned in this datasheet. The company is not responsible for any losses resulting from application under differing conditions.

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