

TECHNICAL DATASHEET

PAXFLOOR VPX 110 S - EPOXY PRIMER

DESCRIPTION

PAXFLOOR VPX 110 S Epoxy Primer is a two-component, solvent-based primer characterized by its low viscosity and high-strength epoxy resin formulation. This primer is enhanced with an adhesion promoter, ensuring superior bonding to concrete substrates. It is specifically designed to be compatible with various PAXFLOOR coating systems, making it an excellent choice for a wide range of applications.

RECOMMENDED USE

Primarily for use in general areas with medium to high traffic for all personal, commercial, or industrial usage. Fields of application may include:

- Workshops/Showrooms
- Car Parks/Garages
- Storage Areas
- Industrial Facilities
- Emergency Strairwells
- Electrical Panel Rooms
- Kitchens
- Commercial Spaces
- Hospitals
- Laboratories

This epoxy concrete primer is compatible with other PAXFLOOR and PAXDECO flooring products. For additional details, please refer to the corresponding datasheets.

TECHNICAL SPECIFICATION

Type	:	Two-component solvent-based
Color	:	Transparent
Finish	:	Gloss
Flexibility	:	Good
Water Resistance	:	Good
Solid by Volume (mixture)	:	± 75%
Specific Gravity (mixture)	:	± 1.02 gr/cc
Material consumption	:	0.1 kg-set/m ² for ± 100 microns DFT
Theoretical Coverage	:	10 m ² /Kg-set
Bonding Strength	:	>2.5 N/mm ² (concrete failure)
Drying time (30°C)	:	
Surface dry	:	3 hours
Hard dry	:	20 hours
Full Cure	:	7 days
Open traffic	:	24 hours for light traffic and 7 days for vehicular traffic
Packaging	:	5 and 20 kg set

SURFACE PREPARATION

To achieve optimal adhesion and performance, ensure the concrete substrate meets the following criteria:

- Compressive Strength: Minimum of 25 N/mm² after at least 28 days.
- Moisture Content: Less than 5%.
- Surface Temperature: At least 3°C above the dew point to prevent condensation.

The surface must be clean, solid, and free from contaminants such as loose particles, oil, grease, dust, and other debris. Utilize industrial-grade detergents or degreasers for chemical cleaning, followed by mechanical cleaning methods. Remove laitance using techniques like vacuum recovery shot blasting, which is preferred for achieving the desired surface texture over acid etching. After mechanical preparation, use an industrial vacuum to eliminate any dust and debris. Repair and allow any cracks or minor surface damages to dry before priming. Important: PAXFLOOR VPX 110 S should not be exposed to water, chemicals, or mechanical stress until fully cured. Adhering to these preparation steps is essential for ensuring the best adhesion, performance, and durability of the epoxy primer.

APPLICATION DATA

Mixing Ratio by Weight	:	Comp A : Comp B = 4 : 1
Pot Life (30°C)	:	20 minutes at 23°C 45 minutes after pouring it onto the floor
Application Method	:	Roller or Scrab
Application Temperature	:	25°C - 35°C
Re-coating Interval (30°C)	:	12 – 18 hours
Thinner/Cleaner	:	Epoxy Thinner
Mixing Instructions	:	Use a low-speed electric mixer to slowly stir Component A before combining. Mix one set of PAXFLOOR VPX 110 S according to the specified weight ratio until a homogeneous mixture is achieved (approximately 2 minutes).
Application Instructions	:	Pour the mixed material onto the substrate according to the specified consumption rate and spread using a metal trowel or rubber squeegee. Allow the curing time based on the re-coating interval before applying subsequent coats. Ensure adequate ventilation during application and drying in confined spaces. For specific application techniques and locations, please consult our technical department.

RECOMMENDED COATING SYSTEM

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| 1. | VPX 110 S | 1 x 100 µm (DFT) |
| | VPX 300 | 1 x 150 µm (DFT) |
| 2. | VPX 110 S | 1 x 100 µm (DFT) |
| | VPF 400 | 1 x 200 µm (DFT) |
| 3. | VPX 110 S | 1 x 100 µm (DFT) |
| | VPX 320 SL | 1 x 500 µm (DFT) |

STORAGE AND HANDLING

Storage : Store the product in accordance with local regulations. Keep containers sealed and protected from direct sunlight and extreme temperatures. Avoid storing near ignition sources. Do not return unused material to the original container to prevent contamination.

Handling: Handle with care and stir well before use.

HEALTH AND SAFETY

To ensure safety during application, avoid skin and eye contact by wearing appropriate protective gear, including overalls, gloves, goggles, and masks. In case of skin contact, wash thoroughly with soap and water. If the product comes into contact with eyes, flush immediately with fresh water. Avoid inhaling vapors and paint mist by using a suitable mask. In case of ingestion or eye contact, seek medical attention promptly. Ensure that painting is conducted in a well-ventilated area, and prohibit smoking in the vicinity. Always adhere to local safety regulations.

DISCLAIMER

The information provided in this datasheet is intended to assist customers in evaluating the suitability of our products for their applications. Our products are designed for industrial and commercial use only. The user assumes full responsibility for quality control, testing, and determining the appropriateness of the products for their intended applications. We guarantee that our products will meet the specifications outlined in our written documentation. However, we make no other warranties, either express or implied, including any warranty of merchantability or fitness for a particular purpose. While the descriptions, designs, data, and information contained herein are presented in good faith and believed to be accurate, they are provided for guidance only. All data refers to standard production using manufacturing testing tolerances. We warrant only the quality of our product, and this datasheet is based on results obtained from experience and testing. We reserve the right to modify data without prior notice.