

TECHNICAL DATASHEET

PAXFLOOR VPX 120 V - EPOXY PRIMER VAPOR BARRIER

DESCRIPTION

PAXFLOOR VPX 120 V is a specialized moisture mitigation epoxy primer meticulously engineered to adhere to concrete surfaces exhibiting elevated moisture vapor emission rates. This advanced primer system is specifically formulated to significantly reduce moisture vapor emissions by up to 99%, creating a reliable barrier that protects subsequent flooring layers from moisture-related issues. Ideal for environments where moisture control is critical, PAXFLOOR VPX 120 V ensures optimal adhesion and performance of the flooring system, making it an essential component for long-lasting and durable installations.

RECOMMENDED USE

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

- Workshops/Showrooms
- Car Parks/Garages
- Basements
- Industrial Facilities
- Commercial Spaces
- Bathrooms
- Kitchens
- Farm Houses
- Hospitals
- Laboratories

PAXFLOOR VPX 120 V epoxy concrete primer is compatible with various PAXFLOOR and PAXDECO flooring products, ensuring a comprehensive solution for moisture management. For detailed application instructions and compatibility, 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)	:	± 99,5%
Specific Gravity (mixture)	:	± 1.10 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 that the concrete substrate meets the following criteria:

- Compressive Strength: Minimum of 25 N/mm² after at least 28 days.
- Moisture Content: Should be below 5%.
- Surface Temperature: Must be 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. Use industrial-grade detergents or degreasers for cleaning, followed by mechanical methods like vacuum recovery shot blasting to prepare the surface effectively. After preparation, ensure that any cracks or minor damages are repaired and allowed to dry before applying PAXFLOOR VPX 120 V. Avoid exposing the primer to water, chemicals, or mechanical stress until fully cured.

APPLICATION DATA

Mixing Ratio by Weight	:	Comp A : Comp B = 2 : 1
Pot Life (30°C)	:	25 minutes at 23°C 40 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	:	Utilize a low-speed electric mixer to slowly stir Component A before combining. Mix one set of PAXFLOOR VPX 120 V 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.

RECOMMENDED COATING SYSTEM

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|----|------------|------------------|
| 1. | VPX 120 V | 1 x 100 µm (DFT) |
| | VPX 320 SL | 1 x 300 µm (DFT) |
| 2. | VPX 120 V | 1 x 100 µm (DFT) |
| | VPX 320 SL | 1 x 500 µm (DFT) |
| 3. | VPX 120 V | 1 x 100 µm (DFT) |
| | VPX 350 DC | 1 x 500 µm (DFT) |

STORAGE AND HANDLING

Storage : Store the paint in proper storage conditions as per the local regulations. Keep the paint container sealed under a shed, away from direct sunlight and extreme temperatures. Do not stock paint material near any ignition sources. Do not return the half or unused material in the original container containing the supplied paint to avoid 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.