

PRODUCT DESCRIPTION

PlekoFloor EP120 is a two-component, solvent-free epoxy primer and sealer designed for concrete substrates prior to the application of epoxy floor coatings. It penetrates and seals porous surfaces to ensure optimal adhesion and uniform coating performance.

USES

PlekoFloor EP120 is used as a primer/sealer beneath the PlekoFloor E140, E150, ESL and other epoxy flooring systems. Suitable for pharmaceutical, food and beverage, automotive, warehouse, and aircraft maintenance areas.

Typical Applications Include:

- Industrial and commercial kitchen environments
- Beverage manufacturing plants, such as soft drink production facilities
- Warehouses designed for moderate levels of foot and vehicle traffic
- Pharmaceutical and medical laboratories
- Engineering facilities, including aircraft hangars, automotive manufacturing, and maintenance workshops
- Food processing and production areas, including dairies, bakeries, mills, and confectionery facilities

PACKAGING

1.6 Kg / Set.

COVERAGE

The typical coverage rate for PlekoFloor® EP120 is approximately 6–8 m²/L depending on substrate porosity.

PROPERTIES

- Penetrates and seals porous concrete substrates
- Enhances adhesion of subsequent epoxy layers
- Easy to apply by brush or roller
- Good general chemical and abrasion resistance
- Compatible with PlekoFloor epoxy systems

TECHNICAL DATA

Property	Method	Value
Color		Transparent
Solid Content		100 %
Pot Life	@25°C	~20 minutes
Tack free time:	@25°C	60–90 minutes
Mixed Density	@25°C	~1.05 kg/L
Maximum Service Temp.	–	60°C
Bond Strength	BS 1881	≥1.5 N/mm ²

INSTALLATION

MIXING

Pour both the base and hardener components into a clean, suitable mixing container. Using a slow-speed electric drill fitted with a spiral paddle mixer, blend the materials thoroughly until a uniform color is achieved and no streaks remain

SUBSTRATE PREPARATION

The substrate must be clean, sound, and free from any contaminants such as oil, grease, dust, or loose material. Mechanical surface preparation such as light grit blasting,

grinding, or high-pressure water jetting is recommended to expose a solid, clean base. Follow this by thoroughly vacuuming to remove all dust and debris.

A properly prepared surface ensures strong adhesion and enhances the long-term durability of the PlekoFloor® EP120 system. The ideal surface profile should resemble medium-grit sandpaper.

Ensure that concrete surfaces are at least 28 days old and have a moisture content not exceeding 4%. The substrate must be level and mechanically roughened before application.

APPLICATION

PlekoFloor EP120 should be mixed thoroughly and applied evenly over clean, sound concrete using a medium or short-haired roller. For highly porous substrates, apply a second coat if required. Use at a rate of approximately 6–8 m²/L. The primer must be allowed to cure and become tack-free before applying the next layer of the system.

For improved wetting and penetration, PlekoFloor EP120 can be diluted with up to 5% Xylene.

CLEANING

All tools and application equipment should be cleaned immediately after use with a suitable solvent. Uncured **PlekoFloor® EP120** can be effectively removed before it hardens. Once cured, the material can only be removed mechanically.

STORAGE

Store **PlekoFloor® EP120** in a dry, well-ventilated area, away from direct sunlight and protected from rain. Containers should be kept off the ground on pallets and shielded from excessive compression or stacking. In regions with high temperatures or humidity, storage in a temperature-controlled environment is essential to maintain product quality.

The shelf life of the product is up to 12 months if stored in unopened containers, according to the manufacturer's instructions.

HEALTH AND SAFETY

As with all chemical products, care should be taken during both use and storage to avoid contact with eyes, mouth, skin, and foodstuffs. Vapors from the product can also taint food until it has fully cured or dried. In case of splashes to the eyes or skin, treat immediately by rinsing thoroughly with water. If the product is accidentally ingested, seek medical attention right away. Always re-seal containers after use to maintain product integrity and safety.

Attention

This product is intended for use by qualified professional contractors, as a component of a larger construction system and specification. It should be installed in accordance with given instructions and specifications. Information listed above reflects the criteria for our internal quality test and practical experience. Results depend on listed instructions and consumer skills and are therefore out of our responsibility whether expressed or implied. All values are valid for the product when dispatched from the plant. Technical data are generated under laboratory conditions, some variations are expected due to weather, site, and application conditions which are beyond the control of the manufacturer. We reserve the right to change any given specification without notice.