

## PRODUCT DESCRIPTION

PlekoProof EP110 is a two-component, solvent-free epoxy primer and adhesion promoter specially formulated for application on damp or wet concrete substrates. It provides exceptional bonding to moist surfaces, making it ideal for areas where surface drying is impractical. It improves adhesion of subsequent waterproofing membranes or protective coatings and helps in achieving uniform surface performance even under adverse site conditions. It is composed of epoxy resins and polyaminoamide curing agents, with selected additives to enhance penetration and wet bonding performance..

## USES

PlekoProof EP110 is used as a primer and adhesion promoter over damp, wet or marginally dry concrete surfaces prior to the application of waterproofing membranes or epoxy-based protective coatings. It is suitable for infrastructure, podium decks, water tanks, retaining walls, foundations, and marine or below-grade concrete structures.

## APPROVED SUBSTRATES

Can be applied on wet or marginally dry concrete, cementitious screeds, or steel surfaces that have been properly prepared. Suitable for both new and old structures where surface moisture cannot be avoided. Can also be used as adhesion promoters onto moist and / or marginally pretreated metal surfaces.

## PACKAGING

8.0 Kg / Set.

## COVERAGE

Approximately 6–8 m<sup>2</sup>/L depending on the porosity and roughness of the substrate.

Manufacturer does not warrant square meter coverage, which can vary greatly according to application techniques..

## PROPERTIES

- **Outstanding adhesion, even to wet concrete, moist and marginally pretreated steel**
- **Penetrates and seals porous concrete substrates**
- **Improves bond strength of subsequent coatings or membranes**
- **Easy to apply by brush or roller**
- **Compatible with PlekoProof and PlekoFloor systems.**
- **Good Flexibility**

## TECHNICAL DATA

Property	Method	Value
Color		Transparent to light amber
Solid Content		100 %
Gel time (Tecam)	@20°C	100-110 minutes
Mixed Density	@25°C	~1.05 kg/L
Maximum Service Temp.	–	60°C

## 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.

seal containers after use to maintain product integrity and safety.

## APPLICATION

Apply PlekoProof EP110 by brush, roller or spray onto the prepared wet concrete surface. For highly porous surfaces, a second coat may be required. Do not allow ponding of material. Ensure full coverage and allow curing to reach tack-free condition before applying the next coat or system.

## CLEANING

All tools and application equipment should be cleaned immediately after use with a suitable solvent. Uncured PlekoProof EP110 can be effectively removed before it hardens. Once cured, the material can only be removed mechanically.

## STORAGE

Store PlekoProof EP110 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-