

## PRODUCT DESCRIPTION

PlekoProof WR is a single component, high flexibility, superior quality, elastomeric coating. Its unique formulation provides a seamless membrane that is tough yet flexible, crack resistant and compatible to a wide variety of substrates. Contains anti-microbial agents, specially designed for wet rooms, pools, fountains.

## USES

For waterproofing applications under tiles in wet rooms (residential, commercial, industrial bathrooms, kitchens, and laundries); swimming pools and fountains; terraces and balconies.... The flexible thick film formed adapts to substrate movements.

## APPROVED SUBSTRATES

Precast concrete, concrete masonry, rendered surfaces bricks, metal sheets, fiber cement boards, gypsum boards, exterior grade plywood....

## COLOR

Black.

## PACKAGING

20 Kg per pail.

## COVERAGE

Approx. 0.9-1.3Kg per sqm per coat, depending on film thickness and type and porosity of substrate.

Manufacturer does not warrant square meter coverage, which can vary greatly according to usage, film thickness, substrate porosity, texture, surface imperfections, temperature and application method

## PROPERTIES

- **Single Component, Easy to Apply**
- **Seamless Waterproofing**
- **Crack Bridging**
- **Superior Durability**
- **Excellent Adhesion to various substrates**
- **Anti-Microbial**
- **Fungus and Mold Resistant**
- **For Interior / Exterior Use**
- **Roller, Brush or Spray Application**
- **Low VOC, Environmental Friendly**
- **No solvents and non-flammable**

Appearance	Light Blue Liquid
Bulk Density (Kg/L $\pm$ 0.5)	1.33
Solid Content (% $\pm$ 1)	60
Adhesion Strength (N/mm <sup>2</sup> )	>1
Positive Hydrostatic pressure @ 5 bar (50m)	Pass
Negative Hydrostatic pressure @ 3 bar (30m)	Pass

## ADHESION

Excellent adhesion to approved, properly prepared substrates.

## DRYING TIME

Touch dries in approximately 4 to 8 hours. Allow 24-36hrs between coats. Drying speed highly depend on thickness applied, temperature and humidity. Allow system to cure at least 72hrs to achieve full mechanical properties.

## SOLUBILITY

While still fresh, soluble in water. Clean all equipment with water immediately after use.

## SHELF LIFE

24 Months

## STORAGE

Store in cool, dry, well-ventilated area, protected from freeze, heat and direct sunlight and at a temperature between 4°C (40°F) and 38°C (100°F), in tightly sealed original container. For prolonged storage it is recommended to periodically turn pails upside down to avoid sedimentation.

## INSTALLATION

### MIXING

Mix thoroughly until uniform consistency taking special care to avoid excessive up and down motion with drill and blade. If needed adjust viscosity by adding water (2-5%).

### SUBSTRATE PREPARATION

Surface must be sound, clean, dry, and free of bond-inhibiting materials such as paint, grease, oil, efflorescence, form release agents and curing compounds. The surface must be free of any irregularity. Cleaning may be accomplished by wire brush, sandblasting, forced air, hydro blasting or other methods. All pot holes and surface defects shall be repaired with a suitable concrete repair mortar from the PlekoMortar range.

### APPLICATION

**Pre-Treatment:** Using a brush or roller apply a generous coat of PlekoProof WR or PlekoProof 321 to all coves, corners, wall/floor transitions, penetrations making sure product completely fills joints. For breaches larger than 3mm embedding PlekoMesh WP Det is recommended. Allow to dry before applying next coat. Dilute PlekoProof WR 15-25% with water to prim entire area to seal the pores and improve adhesion.

**Waterproofing:** Apply first coat by roller or spray to approx. 500 microns on previously primed surface,

immediately embed PlekoMesh WP Det in wet film at all corners, joints and drainage holes. Once dry the second coat should be applied at right angle to the first to achieve a final thickness not less than 1mm. When last coat has dried, inspect final surface for pinholes, voids, thin spots or other defects and treat with additional coat to seal defects. When waterproofing large areas such as roofs, terrace, pools... it is recommended to apply PlekoMesh WP to entire area for added reinforcement.

**Tiling:** Once last coat has fully dried and flood test completed installation of tiles can start. PlekoTile Fix thin-set line of products can be applied directly over membrane. Do not use solvent based adhesives directly to membrane.

### LIMITATIONS

Apply only to unfrozen surfaces above 4 °C (40°F). Maintain minimum 4 °C (40°F) ambient temperature for 24 hours after application. Do not allow to freeze. Do not apply to substrates which are wet from dew or rain. Must be protected from rain and freeze until hardened.

Pleko bears no responsibility for the defects due to the improper or non-recommended use of the product.

## HEALTH AND SAFETY

Avoid contact with eyes and skin. Prevent inhalation of dust. For detailed information refer to relevant material safety data sheet.

### 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. We reserve the right to change any given specification without notice.