



Hydro Shield 600

Product Description

A single-component, acrylic and latex-based formulation designed for direct application on concrete and masonry surfaces. It requires no mixing and can be easily applied using a brush or roller. Its crystalline and hydrophobic properties prevent water from penetrating the concrete and walls, preventing it from penetrating the walls and preventing mold and moisture from forming for many years. It creates a fresh, odorless, and seamless surface.

Application Areas

- Concrete foundation walls and basement interiors
- Internal insulation of previously flooded foundations
- Tunnels, substructures, and areas exposed to constant humidity or water flow
- Inverted ceilings and waterproofing systems on terraces
- Ceilings and curtain walls in parking structures
- Inverted waterproofing of stone, brick, and similar vertical substrates
- Underground walls of historical or heritage buildings
- Interior and exterior wall coatings for moisture protection
- Insulation and waterproofing within elevator shafts

Properties

- Easy Application
- Flexible Film Formation
- Strong Adhesion
- Clean Surface Finish
- Moisture Bridging Capability
- Efflorescence Prevention
- Water Resistance: Withstands low-pressure water exposure, making it suitable for damp environments. Distinctive Texture
- Creates a white, rough surface

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	White
<i>Density:</i>	1,10 ±0,05
<i>shore A:</i>	70-80 (DIN 53505)
<i>Solids content:</i>	95 %
<i>Elongation at Break:</i>	400 -500 % (DIN 53504)
<i>Tensile Strength:</i>	50 N/mm ² (DIN53515)
<i>Water Vapor Permeability:</i>	1,60 m (EN ISO 7783- 1)
<i>Consumption:</i>	500 g/m ²
<i>Surface dry:</i>	30 approx. min (s) 23°C/73.4°F 50% R.H.
<i>Full dry:</i>	48 hours (23°C and 50 % R.H.)
<i>Recoating interval:</i>	6 hours (23°C and 50 % R.H.)
<i>Application temperature:</i>	+10 °C/50° F and +35 °C/ 95°F



Application Details

Application method: Brush / Roll / Airless Spray
Thinner: Fresh water
Thinner Amount: 10 % for Brush and Roller / 5% for Airless spray

Surface Preparation:

Drying time for each coat should be 2 to 3 hours. A minimum consumption of 500 grams per square meter should be maintained. If there are holes or bird's-eyes on the walls after application, reapply the sealant in a controlled manner, covering them completely. If water leaks persist after applying two coats, reapply the sealant to the remaining holes with a brush or roller.

5-7 days must be allowed for complete drying after application. This ensures that moisture, humidity, and water leaks have stopped.

PRECEDING COAT:

No need

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- The surface should be protected from moisture and rain for 24 hours after application.
- All application tools and equipment should be cleaned with water immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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