



Aqua Guard Hybrid

Product Description

Aqua Guard Hybrid is a two-component polymer–cement hybrid coating system designed for both waterproofing and floor protection. Component A is a colored acrylic polymer liquid, and Component B is a powder blend of polymer, hydraulic cement, and hardener. When mixed, they form a tough, decorative, and waterproof coating suitable for concrete floors and masonry surfaces exposed to moisture and mechanical wear.

Product uses:

- Industrial and commercial concrete floors.
- Basements, parking garages, and warehouses.
- Balconies, terraces, and bathrooms.
- Swimming pools, water tanks, and reservoirs.
- Protective coating for concrete exposed to moisture and wear.
- On asphalt floors for decoration.

Properties

- High adhesion, crack-bridging.
- Excellent waterproofing barrier for floors and walls
- High abrasion and mechanical resistance for pedestrian traffic
- Strong adhesion to concrete and cementations substrates.
- Flexible yet durable — resists cracking and shrinkage.
- Decorative finish with colored options.
- Easy mixing and application (brush, roller, trowel, or spray)

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	(Component A) / Colored viscous liquid (Component B) / White Powder
<i>Volume Solids (mixture)</i>	98 %
<i>Density:</i>	1.4 kg/ltr
<i>Spreading rate:</i>	0.98 m ² /ltr (0.7 m ² /kg) (for thickness of 1 mm)
<i>Application thickness / layer</i>	1.5-2 mm
<i>Open time:</i>	30-40 [min] 23°C, 50% RH)
<i>Consumption:</i>	1-1.2 kg /m ² as floor coating 1.8-2 kg as waterproofing material
<i>Adhesion strength:</i>	≥ 3,0 N/mm ²
<i>pH B Comp:</i>	7.0 - 9.0 ((25°C)
<i>Adhesion strength by pull-off test:</i>	≥ 1,0 N/mm ²
<i>Water Transmission Rate:</i>	≤ 0.1 (kg/ m ² . h) CLASS W3
<i>Permeability to water vapor (m)</i>	5 ≤ sD ≤ 50, CLASS II
<i>Complete Drying Time:</i>	minimum 2 days (20°C)
<i>Service Temperature:</i>	-10°C to +70°C
<i>Application temperature:</i>	+5 °C to +30 °C
<i>Time to give for traffic :</i>	7 days (20 °C)

Application Details

<i>Application method:</i>	Brush or airless machine
<i>Thinner:</i>	Do not thin
<i>Cleaning of tools:</i>	Fresh water
<i>Packing:</i>	15 kg Powder + 7.5 kg liquid



Surface Preparation

- The substrate has to be free from dirt, grease, laitance, loose concrete, loose particles or layers which could adversely affect adhesion.
- Remove all damaged concrete and prepare substrate by sand or grid blasting, high pressure water jetting, or other methods until base concrete is exposed, offering sufficient roughness (bond) and open pores.
- The substrate must be frost-free and have a cohesion of minimum 1.5 N/mm².
- Damaged areas need to be repaired with [Top Mortar CM 3000](#)
- Surfaces should be pre-primed with Top Bonding Primer and Aqua Guard Hybrid should be applied after min 4 hours later.
- Ceramic and smooth surfaces should be primed with Top Floor 600 and the surface should be roughened by sprinkling sand during priming.
- For Asphalt surfaces the surface should be free from sand and dirt.

Application

Aqua Guard Hybrid consists of two components. The first component is colored, thick, liquid hybrid composed of acrylic polymer. The second component is powder hybrid composed of powder polymer, hydraulic cement and hardeners. Liquid component (B component=7,5kg) Slowly add the powder hybrid (A component 015 kg) and mix thoroughly by means of 400 cycles driller to a lump-free homogeneous consistency. Allow the mix to saturate for 2 minutes. Brush the mix onto the prepared surface with long hairy brush in one direction. Usually two coats are recommended. The second coat should be applied in the opposite direction of the first coat application.

PRECEDING COAT:

For Concrete Surfaces : Top Bonding Primer

For Asphalt surfaces : Do not use any primer

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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