

ACQUA GUARD

Acqua Guard Coating is a two-component, water based epoxy coating. It is used as a primer for the Elastocoat line of products, as well as other polyurethane based products.



DESCRIPTION

Acqua Guard is a two-component, water based epoxy coating. It is used as a primer for the Enduro line of products, as well as other polyurethane based products. It is certified as "Class III" water and humidity barrier, which makes it ideal for applications subject to **negative pressure / rising humidity**. An easy to use and safe (zero VOC) product with many applications besides priming.

RECOMMENDED FOR

Use for:

- Sealing coat for concrete,
- Primer in applications with rising humidity /negative pressure, primer for other applications (tanks, pools, foundations systems, e.g. epoxy or polyurethane based, cementitious materials.
- Water / humidity barrier.
- Adhesive layer between old and new concrete.

FEATURES & BENEFITS

- Easy application (water based).
- Highly effective water/humidity barrier.
- Suitable for application in closed spaces.
- Low-odor, safe and non-flammable (zero VOC).
- Easy clean-up.

Strong adhesion even on damp or green concrete. Also on iron, galvanized steel, aluminum, glass and wood. Good mechanical properties and abrasion resistance.

APPLICATION METHOD

Mixing: Mix the two component well. Add water 10 to 30%. Stir manually or use a low speed (300 RPM) mixer.

Application:

As primer - Application in thin coats only. Apply with roller in one or two coats with total consumption of 150 gr./m².

As water/humidity barrier - Application in 3 coats with a total consumption of 600 gr./M²

Recoat time cannot be determined in terms of hours since it is highly dependent on weather conditions: It can be as low as 5 hours during summer and as high as 24 hours during winter.



APPLICATION METHOD

Use the following rule of thumb to determine when recoating should take place. Recoat (with Elastocoat or Acqua Guard Coat) once the color on the current coat goes from milky white to transparent. Also check that the current coat has hardened to the degree where it can no longer be punctured by finger nail.

- Do not exceed the stated consumption numbers as this will affect adversely its adhesion and durability.
- Pot life of mixture is 1 hour maximum at 25° C.
- Do not apply when temperature is below 10° C.
- Hot concrete should be watered before application

CONSUMPTION

- As primer - Apply in one or two thin coats with total consumption of 150 gr/m².
- As water/humidity barrier - Apply in three coats with total consumption of 600 gr/m².

PACKAGING

Transparent: 4 kg (1 + 3 kg) and 20 kg (5 + 15 kg).

White: 5 kg (1 + 4 kg) and 20 kg (4 + 16 kg).

Other colors available on request.

SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25 C. Once opened, use as soon as possible.

SAFETY INFORMATION

Acqua Guard is free of solvents. Nevertheless, you are advised to observe the standard safety rules: keep away from naked flames. Apply in well-ventilated, no smoking areas. In closed spaces use ventilators and carbon active masks. M.S.D.S. (Material Safety Data Sheet) is available on request.

TECHNICAL SPECIFICATION

In liquid form (before application, after mixing): Component A - colorless. - Component B - transparent or colored (as required).
(In transparent, the mixture becomes white but, when fully cured, membrane is transparent again)

Before application: (in wet form)		
Properties	Units	Method
Viscosity (Brookfield)	cP	ASTM D2 196-86 @ 25°C
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811 @ 20°C
Mixing Ratio of transparent Acqua Guard	A:B, by weight	1 :3
Mixing ratio of colored Acqua Guard	A:B, by weight	1:3
Tack free time @ 25°c & 55 RH	Hours	3
Full cure	Days	One week
Pot Life	Hours	1 hour when open and mix
After application: (in cured form)		
Properties	Units	Methods
Service Temperature	Celsius	80°C
Water vapor transmission	Gr/m ² – 24 hr	EN ISO 7783-2
Water transmission	Kg/m ² -0,5 hr	NF EN 1062-3
Adhesion concrete	Kg/cm ² (N/mm ²)	ASTM D4541
Resistant to friction	Gr	ASTM D4541 (taber 503. CS17, 1.0 kg, 1000 revs.)