



LEVASSEUR
Your paint expert

POLYFOND AG AGUA VARNISH

PRODUCT DESCRIPTION

Polyfond **ANTI-GRAFFITI** Agua varnish is a 2 component water based aliphatic polyurethane. Available in matte, satin or gloss.

Polyfond AG Agua Varnish is a permanent non-yellowing Anti-Graffiti with excellent resistance to weathering and chemicals (acids, oils, etc.). Easy to clean even at high pressure.

PARTICULARITY OF THE PRODUCT

Excellent adhesion on most substrates:

- mineral substrates: concrete, brick, bluestone, French stone, granite, architectonic concrete
- old paintings
- plastic, wood, glass, polyester, aluminum, stainless steel, brass, metal, etc.

Resistance to saponification (alkaline media).

Resistance to fouling, atmospheric fouling, dust, combustion residues.

UV and weathering resistance (non-yellowing, waxy, maintaining the level of brightness, keeping the compromise flexibility / hardness).

Excellent balance between surface hardness and internal flexibility.

Resistance to abrasion, shock, scratch and wear.

Resistance to graffiti (paint, glue posters, tar, etc...).

Resistance to chemicals (oils, greases, diluted acids, saline attacks, attacks alkaline wastewater, hydrocarbons, harsh detergents, organic solvents, etc...).

Resistance to atmospheric attacks (erosion, weathering, salt spray, acid rain, etc...).

Permeability to water vapor compatible with building physics.

Water repellency, moisture resistance.

Resistance to carbonation (CO₂ diffusion, SO₂).

Minimal change in material appearance.

CONDITIONS OF USE

Room temperature: Min. 10°C

Humidity level: Max. 80%

Temperature of the substrate: Min. 10°C

PREPARATION OF SURFACE TO BE TREATED

The substrate must be clean and have undergone appropriate surface preparation, to get rid of any non-adherent or weakly adherent part. It must be free from all traces of oils, grease, silicones, old paints and any substances that may affect adhesion.

Concretes and derivatives: new concretes must have dried for at least 28 days.

Careful cleaning by high pressure washing or sandblasting if necessary.

Alkaline washing of old paintings in good condition.

Leveling, repair of concrete splinters, filling of cracks with a solvent-free epoxy mortar: minimum drying time of 24 hours.

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MIX PREPARATION AND APPLICATION

Mixing ratio : 100% Polyfond AG Agua Varnish- 12.5% Hardener Agua

A/B volume ratio: 8/1	A/B ratio by weight : 10g (A) / 13.4g (B)
Pot life of the mixture : 3-4h at 20°C	Theoretical yield (40µm secs) : 8-10m ² / L / layer

Pour the hardener in the varnish. Mix carefully until the mixture is homogenized. Dilute with water if necessary. Let bubble for a few minutes. Apply with a 9mm nap roller or spray gun.

With brush and roller: Ready to use.

Spray gun: 15% water in the mixture (Opening from 1.4 to 1.8mm – Pressure 1-2 bar)

Airless: Ready to use (Opening from 0.23 to 0.28mm – Pressure 100-150 bar)

3 coats are recommended for best performance

DRYING TIME AT 60% RH AND 20°C

Touch dry: 45 minutes.

Recoatible: After 1 hour.

Anti-graffiti properties: After 48 hours.

CARACTERISTICS

Washability (ISO 11998): Class I (<5µm loss over 200 cycles)	Classification: NF T36-0005: family I class 6a
Shine (60° rhopoint): 3 (matte) – 15 (satin) – 85 (gloss)	Dry extract of the mix: 23% (21% by volume)
Viscosity of the mixture at 20°C: 1700 Cp (Haake VT02R1)	Density of the mixture: 1.05
pH level: 8.1 (varnish) – 8.2 (varnish + hardener)	VOC of the mixture: 53g/L.
Water vapor permeability: Sd 0.295(m) class II; Average permeability according to ISO 7783	

TESTS & CERTIFICATIONS

Persoz hardness (ISO1522): 190 seconds (24h).

Taber test (ASTM D4060): 0.11% loss (CS10 – 2000 cycles) – very resistant to abrasion.

Pull-out test (ISO4624): 1.5-2N/mm² (Breaking 100% cohesive in support).

Chemical resistance (ISO2812-1): Excellent for diesel, brake fluid, petrol.

Food certificate (EN 1186-1): Occasional contact ok.

Resistance to salt water contact: 12 weeks permanent contact appearance ok

Fire resistance (ISO9239-1 / 11925-2): Bfl-s1.

REMOVAL OF GRAFFITI

Graffiti removal is done using Graffiti Net Gel Hydro D8/104.

STORAGE CONDITIONS

12 months in original sealed and unopened containers.

Store in a ventilated room at a temperature between + 5 and + 35°C.

Our product information & technical recommendations serve as an aid to professional workers. We always recommend to start with a test on a small area.

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