



Acrypol 2K varnish

Technical Specifications
 Date of issue: 02/06/2025
 Version Number: 3rd

Ultradurable 2-component acrylic varnish



ACRYPOL 2K VARNISH, is a top quality, clear 2-component acrylic varnish, with very strong adhesion to difficult surfaces and unsurpassed resistance to solar UV radiation, sea water, permanent humidity and extreme weather conditions such as: snow, frost, hail, exhaust gases and atmospheric pollutants. It does not yellow, peel, crack, pluck, and retains its shine and elasticity for many years, providing effective protection and everlasting beauty. The final film it forms is distinguished for its high hardness, its excellent mechanical resistance to abrasion and scratching, but also for its unique resistance to moisture, oils, greases, solvents, detergents and chemicals. Available in gloss, satin and matt finishes. Ideal varnish for coastal and mountainous areas. Contains UV filters and HALS light stabilizers.

Fields of application

It is suitable for painting wood, metal, stone, concrete, glass, bamboo, and generally difficult surfaces. Also suitable for ceramic tiles, Karystos or Malta tiles, porolites, bricks, tiles, mosaics, marbles, as well as other natural or artificial building materials. Suitable for outdoor and indoor use.

Surface preparation

The surfaces must be completely dry, clean and free from dust, oil, grease, loose materials, flaking paints or varnishes and sanded with a suitable abrasive. Application to bamboo requires very fine sanding with Freecut Grit 240 abrasive paper.

Thinning

Up to 1% with polyurethane thinner 4099, P2 or P3, depending on temperature. For industrial use only and spray-gun or airless spray application, thin 20-30% with VERNILAC 4099, P2 or P3 thinner, depending on temperature.

Physical / Technical Characteristics

GLOSS

| | |
|-------------|------------------------------------|
| Viscosity | 62 ± 5 CF 4 25°C |
| Density | 1 ± 0,01 kg/lit (ISO 2811.01,20°C) |
| Gloss level | 100 @60 °C |

SATIN

| | |
|-------------|---------------------------------------|
| Viscosity | 86 ± 5 CF 4 25°C |
| Density | 1,02 ± 0,01 kg/lit (ISO 2811.01,20°C) |
| Gloss level | 50 ± 5 @60 °C |

MATT

| | |
|-------------|---------------------------------------|
| Viscosity | 43 ± 5 DIN No.6 25°C |
| Density | 1,04 ± 0,01 kg/lit (ISO 2811.01,20°C) |
| Gloss level | 10 ± 3 @60 °C |

Mixing

2 parts A' component with 1 part B' component by volume.

Workability of mixture – pot life

3-4 hours, at a temperature of 30°C. At higher temperatures the workability of the mixture decreases.

Application

Before application, it is always necessary to stir the two components separately. Then, mix the two components of ACRYPOL 2K VARNISH and stir well until the mixture is completely homogeneous. After stirring and mixing is complete, apply by brush or roller one coat of ACRYPOL 2K VARNISH diluted up to 1% with polyurethane thinner 4099, P2 or P3. For industrial use and application via spray-gun or airless, thin 20-30% with 4099, P2 or P3. After 6 hours, apply a second coat of ACRYPOL 2K VARNISH diluted 20-30%. Time from hand to hand at least 6 hours. The surface is ready for use after 24 hours, while it fully acquires its mechanical and chemical resistance in 7 days.





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Drying at a temperature of 25°C: Touch-dry: 45 minutes. Recoat: after 6 hours and no later than 24 hours. Complete hardening of the varnish is achieved in 7 days. In low temperatures or conditions of increased humidity, drying times are extended. Avoid application at temperatures below 5°C and above 35°C.

Consumption

Approximately 12-14 m²/L, per layer, on properly prepared surfaces, for a dry film thickness of 50-90µm.

Gloss level

Available in gloss, satin and matt.

Storage

The factory-sealed package is kept for at least 6 months in a shaded and cool environment, at temperatures ranging from 5°C to 35°C. After application, tightly seal the container and store in suitable conditions.

Cleaning tools

Immediately after use, clean tools with ACETONE or VERNILAC's polyurethane solvent 4099. Do not pour washing liquids into water courses.

Volatile organic compounds (VOC)

The maximum EU limit value (Directive 2004/42/CE) for this product [Category A/j "Two-pack reactive performance coatings for specific end use such as floors", Type SB] is 500 g/l (2010). This product contains maximum 499 g/l VOC (ready for use).

Packaging

| | | | |
|----------|---------|--------|------|
| GLOSS | 0,5 lt | 1 lt | 4 lt |
| SATIN | 0,5 lt | 1 lt | 4 lt |
| MATT | 0,5 lt | 1 lt | 4 lt |
| HARDENER | 0,25 lt | 0,5 lt | 2 lt |

Safety information

Read the label before use. For detailed instructions - precautions, consult the Product Safety Data Sheet. Poison Information Centre: (+30) 210 77 93 777.

THE PRODUCT IS INTENDED FOR PROFESSIONAL USE ONLY



All the information provided in this technical data sheet is the result of the scientific knowledge of the company's personnel and the practical experience in product application. This document doesn't express or imply a guarantee as the company cannot control and bears no responsibility for the conditions and the manner of application, the adjustment and the modification of the product when used by the customer. The customer must confirm by his own means that the product is suitable for the intended use. The current version of technical data sheet withdraws all previous versions for this product.

