

# POLACRYL 301

polyurethane sealer for wood and cement

- highly penetrating and strongly adhesive
- reinforced protection with UV filters
- waterproofs and seals

Polyurethane special chemical product. Highly penetrating and strongly adhesive on absorbent substrates. Extremely resistant to mechanical stress and friction. Transparent, resistant to UV radiation, non yellowing. Excellent resistance to marine and coastal conditions. Apply on any porous surface, such as wood, cement, concrete, brick, etc., needing waterproof protection. Seals and stabilizes absorbent substrates allowing the surface to breath. Use to seal wooden boats and wood needing heavy duty protection. Ideal for stabilizing weathered surfaces on floors and walls and for offering excellent protection to floors exposed to heavy traffic, oil, etc.

<b>COVERAGE</b>	8±4m <sup>2</sup> /L
<b>FINISH</b>	HIGH GLOSS
<b>THINNING</b>	0%
<b>DRYING TIMES</b>	2-3 hours*
<b>RECOATING TIMES</b>	24 hours*
<b>RECOMMENDED NUMBER OF COATS</b>	2-3 coats*
<b>TOOLS</b>	roller, brush or airless paint sprayer

\* Lower temperatures or higher relative humidity will prolong drying and recoating times.



## TECHNICAL CHARACTERISTICS

TYPE	POLYURETHANE RESIN	
<b>SPECIFIC GRAVITY</b>	TRANSPARENT	0.92 ±0.03gr/cm <sup>3</sup>
<b>SOLIDS w/w</b> (ISO 3251-03)		28±2 %
<b>SOLIDS w/v</b> (ISO 3233-98)		25±3 %
<b>VISCOSITY</b> (DIN 53211-70/4mm @ 20°C)		15±5 sec
<b>APPLICATION VISCOSITY</b> (DIN 53211-70/4mm @ 20°C)		15±5 sec
<b>YELLOWNESS INDEX</b> (ASTM E 313-98)		≤ 15
<b>GLOSS (60°)</b> (ISO 2813-99)		95±1
<b>GLOSS (20°)</b> (ISO 2813-99)		89±3
<b>APPLICATION TEMPERATURE</b>		min 5°C-max 30°C

## REGULATION 2004/42/CE

EU Limit value for this product in a ready-to-use condition (cat A/h: Binding primers): 750 g/L (2010). This product contains max: 749 g/L VOC.

## TECHNICAL DATA SHEET

EDITION: JANUARY 2019  
E301 | **POLACRYL 301**  
REPLACES ALL EARLIER VERSIONS

STONE & WOOD  
VARNISHES

E

### SURFACE PREPARATION

Surfaces must be clean, free of resins, oil, old weathered coatings and dust. Sand surface smooth using the right sandpaper for the task. Surface should not be cleaned with water before varnish application.

- ▶ **New wood:**  
Apply 2-3 coats of POLACRYL 301 depending on the absorbency of the surface.
- ▶ **New plaster, concrete, brick, cement:**  
Apply 2-3 coats of POLACRYL 301 depending on the absorbency of the surface.
- ▶ **Old wood:**  
Use POLACRYL 305 to fill large gaps and cracks. Apply 2-3 coats of POLACRYL 301 depending on the absorbency of the wood.
- ▶ **Old plaster, cement, brick, concrete:**  
Putty where necessary. Apply 2-3 coats of POLACRYL 301 depending on the absorbency of the surface.

### INTENDED USE



### APPLICATION

- ▶ Ready to use.
- ▶ Wood humidity must not be over 18%.
- ▶ Cement humidity must not be over 5%.
- ▶ Do not apply when ambient temperature and surface temperature is below 10°C, above 35°C and when relative humidity is above 70%.
- ▶ Shake or stir well before use.
- ▶ Sand surface smooth with the right sandpaper for the task before sealer application.
- ▶ The number of coats depends on the porosity of the surface. Wait till tacky to apply the next coat.
- ▶ Allow POLACRYL 301 to dry, sand lightly and remove sanding residue with a rag. Then, depending on the surface, feel free to apply any of our solvent-based coatings.

### USEFUL INFORMATION

- ▶ New plaster or concrete are best to be coated after 28 days.
- ▶ POLACRYL 301 deeply penetrates the surface and seals it (1-3mm, depending on its porosity).

### PACKAGING

- ▶ Available in transparent. Containers of 750ml and 2.5L.

### STORAGE

2 years if unopened and stored under normal storage conditions. Once opened, seal well and store in a closed place at room temperature between 5-30°C. Keep tightly closed after application for future use. Store in a cool place. Protect against freeze and direct sunlight.

### CLEAN-UP / DISPOSAL

Keep your tools wet inside the can when not painting. Rub excess paint off your tools on the side of the can after paint application. Clean immediately after use with THINNER 120. Do not empty washing liquids into the water table. Always handle empty containers and product carefully. Do not pour leftover product down the drain. Strictly follow local, regional, national regulations and legislation on the disposal of products and empty containers.

### HEALTH & SAFETY

Read carefully the safety instructions on the label. For more information, consult the Safety Data Sheet.

