

TESSAROL PU ACRYLIC ENAMEL

AREA OF APPLICATION

For high-quality protection of wooden and metal surfaces such as windows, doors, wooden cladding, fences, simple structures, simple furniture indoors and outdoors.

PROPERTIES

- quick drying
- early block resistance
- hard and elastic film, resistant to scratching
- satin appearance
- environmentally friendly, very low content of volatile organic substances (VOC)
- no unpleasant smell
- dilution with water
- stable gloss and colour shades (white and light shades do not yellow)
- easy work, long open time
- good resistance to household cleaners

TECHNICAL DATA

COMPOSITION	PU acrylic dispersion, pigment, additives
COLOUR SHADES	White, colour shades according to the HGMIX colour system
TINTING	Mixing of standard shades, HGMIX
GLOSS	Satin
DENSITY	1,03–1,28 g/mL depending on the shade
THINNING	Water
EU VOC category and limits	IIA(d), 130 g/L (2010); the product contains: max. 10 g/L
PACKAGING UNITS	1 L, 2,6 L
SHELF LIFE	The shelf life of an originally sealed and suitably stored product (temperature ranging from +5 °C to +35 °C, in a dry place) is indicated on the packaging. MUST NOT FREEZE.

INSTRUCTIONS FOR USE

APPLICATION METHOD	thinning	viscosity (DIN 4 mm)	nozzle	pressure
Brush (synthetic)	if necessary			
Roller (microfiber or felt)	if necessary			
Spraying				
Air spraying	5–10 %	approx. 50 s	1,2–1,5 mm	2–3 bar
WORKING CONDITIONS	The paint, air and surface temperature should be at least +10 °C, and air humidity under 80 %.			
DRYING (T = +20 °C, rel. humidity 65 %)	Dust dries in approx. 1 hour, touch dry in 2 hours, recoatable after 4–6 hours. At lower temperatures and higher relative humidity, the drying time is extended.			
COVERAGE	Theoretically: approx. 10–12 m ² with 1 l in 1 coat. The practical coverage depends on the treatment, type of surface, application method and the chosen colour shade.			
CLEANING TOOLS	Immediately after use with water, the dried paint with TESSAROL NITRO THINNER			

SURFACE PREPARATION

Wooden surface

The humidity must not exceed 15 % for coniferous trees, and 12 % for deciduous trees. The dry surface is to be sanded and cleaned, any wax, resin or grease should be removed with **TESSAROL NITRO THINNER**.

Iron, steel surfaces

Rust should be removed mechanically, while grease and other impurities should be cleaned with the **TESSAROL NITRO THINNER**.

Galvanized steel metal, hard PVC

Clean the surface with a mixture of water (10 l), ammonia solution (0,5 l) and detergent (one cap) and sand it with sanding cloth made of synthetic fibres. Clean the residue thoroughly with water. The use of a wire brush and metal wool is not allowed!

Hot-dip galvanized steel metal surface

OBLIGATORY additional light sweep blasting.

Copper, aluminium surface*

Clean the surface with **TESSAROL NITRO THINNER** and sand with a sanding cloth made of synthetic fibres. The use of a wire brush and metal wool is not allowed!

Renovation of old coating

Undamaged coatings are to be cleaned and sanded; damaged coatings are to be removed completely.

COATING SYSTEMS

SURFACE		SURFACE PREPARATION	IMPREGNATION	PRIMER	TOPCOAT
WOOD	indoors	sanding	/	1x TESSAROL ACRYLIC PRIMER FOR WOOD	2x TESSAROL PU ACRYLIC ENAMEL
	outdoors	removing of impurities	1x BORI IMPREGNATION WITH BIOCID W	2x TESSAROL ACRYLIC PRIMER FOR WOOD	
IRON, STEEL	indoors	removing rust and impurities	/	1x TESSAROL ACRYLIC PRIMER UNI	
	outdoors			2x TESSAROL ACRYLIC PRIMER UNI	
GALVANIZED STEEL METAL	indoors	removal of corrosion products in impurities	/	1x TESSAROL ACRYLIC PRIMER UNI	
	outdoors			2x TESSAROL ACRYLIC PRIMER UNI	
COOPER, ALUMINIUM*	indoors			1x TESSAROL ACRYLIC PRIMER UNI	
	outdoors				
HARD PVC	indoors	removing of impurities	/	1x TESSAROL ACRYLIC PRIMER UNI	1–2x TESSAROL PU ACRYLIC ENAMEL
	outdoors				
OLD COATINGS	indoors	cleaning, sanding, and removing damaged coatings	1x impregnation or 1–2x suitable primer		
	outdoors				

NOTES AND SPECIAL FEATURES

- At a working temperature lower than 10 °C, the coating film will not be formed.
- When painting wood that contains water soluble compounds (oak, chestnut, knots on coniferous trees...) the surface may after some time become yellow – we recommend using **TESSAROL ACRYLIC PRIMER FOR WOOD**. Primer blocks water-soluble substances, which prevents the formation of yellow spots when coating oak or chestnut and slows down the yellowing of knots on coniferous trees.
- * Before painting the aluminium substrate, a preliminary test of adhesion of the coating onto the cleaned surface is required.
- At the application, interlayer sanding with fine sanding sponges is recommended to achieve interlayer coating adhesion and a more beautiful final appearance.