

TESSAROL PRO PROTECT

AREA OF APPLICATION

For fast and high quality protection against most unfavourable weather conditions and the decoration of wooden and metal surfaces, such as windows, doors, wooden cladding, fences, constructions, simple furniture in interior spaces and outdoors.

PROPERTIES

- glossy or satin top coat
- excellent hiding power
- easy application
- excellent levelling
- quick-drying (next layer after 6h)
- stable gloss and color shade (almost no yellowing)
- excellent elasticity and hardness
- universal application on all surfaces
- excellent weather and light resistance
- expected more than 10 years of protection according on EN ISO12944-6:2018, C3 medium
- resistant to household cleaning agents

TECHNICAL DATA

COMPOSITION	modified alkyd binder, solvent, fillers, pigments
COLOR SHADES	White, RAL 9005, 7046, 8017, 6005
TINTING	mixing of standard shades, HGMIX
GLOSS	glossy, satin
DENSITY	1 - 1,5 g/ml depending on the shade
THINNING	If necessary with TESSAROL THINNER
EU VOC category and limits	IIA(i), 500 g/l (2010)
PACKAGING UNITS	standard colour shades: 0,75 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.

INSTRUCTIONS FOR USE

APPLICATION METHOD	thinning	viscosity (DIN 4 mm)	nozzle	pressure
roller, brush	/			
spraying	If necessary	30–50s		
airless	/	as delivered	0,23–0,28 mm	120–160 bar
WORKING CONDITIONS	The paint, air and surface temperature should be at least +5 °C.			
DRYING (T = +20 °C, rel. humidity 65 %)	Dust dry in approx. 3 hours, recoatable after 6 hours. At lower temperatures and higher relative humidity the drying time is extended.			
COVERAGE	Theoretically: approx. 14–16 m ² with 1 l in 1 coat. The practical coverage depends on the treatment, type of surface, application method and also the chosen colour shade.			
CLEANING TOOLS	TESSAROL 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, and 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 sanding remains thoroughly with water and dry. 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 the **TESSAROL NITRO THINNER** and sand it 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	TOP COAT
WOOD	indoors		/	1x TESSAROL PRIMER FOR WOOD	2x TESSAROL PRO PROTECT
	outdoors	sanding removing impurities	1x BORI IMPREGNATION WITH BIOCID W	2x TESSAROL PRIMER FOR WOOD	
IRON, STEEL	indoors		/	1x TESSAROL PRIMER UNI	
	outdoors	removing rust and impurities		2x TESSAROL PRIMER UNI	
GALVANIZED STEEL METAL	indoors		/	1x TESSAROL PRIMER UNI	
	outdoors	removing corrosive products and impurities		2x TESSAROL PRIMER UNI	
COPPER, ALUMINIUM*	indoors			1x TESSAROL PRIMER UNI	
	outdoors				
HARD PVC	indoors	removing impurities	/	1x TESSAROL PRIMER UNI	
	outdoors				
OLD COATINGS	indoors / outdoors	cleaning, sanding and removing damaged coatings	1x impregnation or 1-2x suitable primer		1-2x TESSAROL PRO PROTECT

NOTES AND SPECIAL FEATURES

- If rust is removed with acid-based chemical agents (phosphor), the surface must be thoroughly rinsed with water and dried and only then may **TESSAROL PRIMER FOR IRON** be applied, as the rests of chemical agents prevent drying.
- A strong odor of organic solvents may appear in poorly ventilated spaces. We therefore do not recommend using paints on basis of solvent born alkyds for painting interior furniture parts.
- * 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.
- For long-term anti –corrosion protection, proper surface preparation and adequate thickness of the primer and top coat are important (total thickness of 120-160 microns of dry film)
- We recommend application in several thinner layers (up to 90 microns of wet film). In this way we get good through dried coating with optimal mechanical properties. The coating applied in this way has also a smaller tendency to yellowing in light shades.
- Due to the air drying, the best possible weather conditions are desirable (10-25°C, relative humidity below 75%)
- Accelerated drying of wet coating on the sun or other heat source is not recommended.