

TESSAROL ENAMEL

AREA OF APPLICATION

For the quality protection and decoration of metal and also wooden surfaces, such as windows, doors, fittings, wooden claddings, fences, constructions, simple furniture in interior spaces and outdoors.

PROPERTIES

- glossy or satin top coat
- good hiding power
- easy application
- excellent levelling
- quick drying
- good elasticity and hardness
- good weather- and light resistance
- stable gloss and colour shade
- resistant to household cleaning agents

TECHNICAL DATA

COMPOSITION	alkyd binder, solvent, pigment
COLOR SHADES	gloss: white and 16 standard colour shades, several thousand shades according to colour cards HGMIX satin: white and black, several thousand shades according to colour cards HGMIX
TINTING	mixing of standard shades, HGMIX
GLOSS	glossy, satin
DENSITY	0,9–1,25 g/ml depending on the colour shade
THINNING	If necessary, with TESSAROL THINNER
EU VOC category and limits	IIA(i), 500 g/l (2010); the product contains: max. 400 g/l
PACKAGING UNITS	standard colour shades: 0,2 l, 0,75 l, 2,5 l, 10 l (silver); HGMIX : 0,75 l, 2,5 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 4mm)	nozzle	pressure
roller, brush	If necessary,			
spraying	If necessary,			
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 dries in approx. 5 hours, touch dry in 6–8 hours, recoatable after 16 hours. At lower temperatures and higher relative humidity, the drying time is extended.			
COVERAGE	Theoretically: 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	sanding	/	1x TESSAROL PRIMER FOR WOOD	
	outdoors	removing impurities	1x BORI IMPREGNATION WITH BIOCID W	2x TESSAROL PRIMER FOR WOOD	
IRON, STEEL	indoors	removing rust and	/	1x TESSAROL PRIMER FOR IRON	
	outdoors	impurities		2x TESSAROL PRIMER FOR IRON	2x TESSAROL ENAMEL
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 ENAMEL

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 odour 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.
- Yellowing of a white shade in a dark indoor space is characteristic of all coatings that are based on alkyd binders. Yellowing can begin already during coating if the working conditions are unsuitable (insufficient light or ventilation, low temperatures, and high humidity).
- We recommend using water based **TESSAROL ACRYLIC ENAMEL** for indoor use as it does not yellow indoors or smell of organic solvents.
- 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.