

TESSAROL METAL EXPRESS

AREA OF APPLICATION

For the quality protection and decoration of various metal objects in indoor and outdoor spaces, such as agricultural and construction machinery, vehicles, metal products, radiators, etc.) Use when you need quick drying, a long-lasting aesthetic appearance and excellent mechanical properties.

CHARACTERISTICS

- quick-drying – dry to touch in 1 hour, second coat in 2 hours
- excellent elasticity and hardness
- good coverage
- excellent anti-corrosion protection
- easy to work with
- 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 9 standard colour shades matt: black
TINTING	mixing of standard shades
GLOSS	glossy, matt
DENSITY	0,9–1,1 g/ml depending on the shade
THINNING	If required, with TESSAROL NITRO THINNER
EU VOC category and limits	IIA(i), 500 g/l (2010); the product contains: max. 500 g/l
PACKAGING UNITS	standard color 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 METHODS	thinning	viscosity (DIN 4mm)	nozzle	pressure
roller, brush	/			
spraying	up to 10 %	approx. 50 s	1,2–1,5 mm	3–4 bar
airless	/	delivery	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 50 %)	Dry to touch in 1 hour; next coat from 2 hours, with a maximum wet film thickness of 100 µm. At lower temperatures and higher relative humidity the drying time is extended.			
COVERAGE	Theoretically: 8–10 m ² with 1 l and one application. The actual consumption depends on the treatment, type of surface, quality of application and also the chosen color shade.			
CLEANING TOOLS	TESSAROL NITRO THINNER			

SURFACE PREPARATION

Iron, steel surfaces

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

Galvanized sheet metal, hard PVC

The surface should be cleaned with a mix of water (10 l), ammonium chloride (ammonia solution – 0.5 l) and detergent (one cap) and sanded with a sanding cloth made of synthetic fibers. Clean the sanding remains thoroughly with water. It is not permitted to use a wire brush or steel wool!

Hot galvanized sheet metal

A slight sandblasting of the surfaces is MANDATORY.

Copper, aluminium substrate*

Clean the surface with the **TESSAROL NITRO THINNER** and sand it with a sanding cloth made of synthetic fibres. It is not permitted to use a wire brush or steel wool!

Renovation of old coating

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

COATING SYSTEMS

SURFACE		SURFACE PREPARATION	PRIMER	TOP COAT
IRON, STEEL	indoors	removing rust and impurities	1x TESSAROL PRIMER UNI or TESSAROL EGALIN QUICK-DRYING PRIMER FOR METAL	2x TESSAROL METAL EXPRESS
	outdoors		2x TESSAROL PRIMER UNI or TESSAROL EGALIN QUICK-DRYING PRIMER FOR METAL	
GALVANIZED SHEET METAL	indoors	removing corrosive products and impurities	1x TESSAROL PRIMER UNI	
	outdoors		2x TESSAROL PRIMER UNI	
COPPER, ALUMINIUM*	indoors	removing impurities	1x TESSAROL PRIMER UNI	
	outdoors			
HARD PVC	indoors / outdoors	removing impurities	1x TESSAROL PRIMER UNI	
OLD COATINGS	indoors / outdoors	cleaning, sanding and removing damaged coatings	1–2x appropriate primer	1–2x TESSAROL METAL EXPRESS

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 UNI** be applied, as any substance remnants hinder drying.
- A strong odor of organic solvents may develop in poorly ventilated spaces. We therefore do not recommend using coatings that are alkyd resin based in the solvent for painting interior furniture.
- * The test of paint adhesion to a clean surface is necessary prior to painting an aluminum surface.
- When applying coatings, interlayer sanding with fine sanding sponges is recommended to achieve interlayer coating adhesion and a more beautiful final appearance.
- Due to air-drying, the best possible weather conditions are desirable (10–25 °C, relative humidity below 75 %).
- Proper surface preparation is important for the long-term anti-corrosion protection of surface.