

# TESSAROL Direct 3in1

## AREA OF APPLICATION

For quality decoration and protection of iron and steel surfaces, such as constructions, fences, windows, doors, fittings, simple furniture in internal spaces and outdoors. It can be used without a primer, and applied directly onto a dry and sanded surface, cleaned of rough rust particles. Due to its excellent adhesion, it can also be used for aged, galvanized steel metal and hard PVC.

## PROPERTIES

- direct application onto iron and steel surfaces, without using primers
- glossy primer and top coat in one
- excellent anti-corrosion protection
- good hiding power
- easy application
- excellent levelling
- very fast drying
- high level of film hardness
- good weather- and light resistance
- stable gloss and colour shade
- resistant to household cleaning agents

## TECHNICAL DATA

COMPOSITION	modified alkyd binder, solvent, pigment
COLOR SHADES	white and 11 standard colour shades
TINTING	mixing of standard shades, <b>HGMIX</b>
GLOSS	glossy
DENSITY	1,1–1,3 g/ml
THINNING	<b>TESSAROL thinner, max. 15 %</b>
EU VOC category and limits	IIA(i), 500 g/l (2010); the product contains: max. 500 g/l
PACKAGING UNITS	0,75 l, 2,5l, 10l, <b>HGMIX</b> : 0,65 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	/			
spraying	up to 15 %	approx. 40 s	1,2–1,5 mm	3–4 bar
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 = +23 °C, rel. humidity 50 %)	Dust dries in approx. 1 hours, touch dry 3 hours, recoatable after 6 hours, at the prescribed thickness of use (80 to 100 µm of wet film) At lower temperatures and higher relative humidity, the drying time is extended.			
COVERAGE	Theoretically: 10–12 m <sup>2</sup> 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	<b>TESSAROL NITRO THINNER</b>			

## SURFACE PREPARATION

### Iron, steel surfaces

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

### Old 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!

### 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 rough rust and impurities	/	
	outdoors		/	
GALVANIZED STEEL METAL, hard PVC	indoors	Removing impurities		2-3x <b>TESSAROL DIRECT 3in1</b>
	outdoors			
OLD COATINGS	indoors	cleaning, sanding, and removing damaged coatings	/	
	outdoors		/	

## 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 DIRECT 3in1** be applied, as the rests of chemical agents prevent drying.
- Adhesion on the galvanized metal depends on the method of zinking, therefore we suggest a preliminary test of adhesion on a smaller area. The same applies to hard PVC due to the different composition.
- 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.
- With time alkyd coats will get yellow, particularly in dark spaces.
- Proper surface preparation is important for long-term corrosion protection.
- Due to the air drying, the best possible weather conditions are desirable (10–25 °C, relative humidity below 75 %)