

TESSAROL ENAMEL FOR GALVANIZED STEEL METAL

AREA OF APPLICATION

For the protection and decoration of galvanized steel metal, such as galvanized steel roofs, gutters, fences, containers, and copper pipes for central heating in internal spaces and outdoors.

PROPERTIES

- primer and topcoat in one
- silky gloss
- excellent adhesion to other non-ferrous metals
- quick drying
- good weather- and light resistance
- good hiding power (possible just one layer)

TECHNICAL DATA

| | |
|----------------------------|--|
| COMPOSITION | special binder, solvent, pigment |
| COLOR SHADES | white and 7 standard RAL colour shades |
| TINTING | mixing of standard shades |
| GLOSS | silky gloss |
| DENSITY | 1,10 - 1,25 g/ml depending on the shade |
| THINNING | If necessary, with TESSAROL NITRO THINNER |
| EU VOC category and limits | IIA(i), 500 g/l (2010); the product contains: max. 500 g/l |
| PACKAGING UNITS | 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 | nozzle | pressure | Following layer |
|---------------------------------------|---|--------------|--------------|------------------------|
| brush, | If necessary | | | from 30 min to 3 hours |
| roller | If necessary | | | no restrictions |
| spraying - <i>airless</i> | if necessary | 0,23–0,28 mm | 120–160 bars | no restrictions |
| 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. 10 minutes, touch dry in 1 hour, recoatable by brush after 0,5–3 hours or after 48 hours. Between 0.5 and 3 hours, the paint is not completely dry, but allows normal application with a brush. The second layer should not be applied between 3 and 48 hours. During this time interval, the first layer is crosslinked to such a degree that it becomes sticky, when the solvent from the second layer solubilizes the surface, leading to a difficult brush application. Paint can be applied in this time gap by spraying or roller. At lower temperatures and higher relative humidity, the drying time is extended. | | | |
| COVERAGE | Theoretically: 7–9 m ² with 1 l in 1 coat. The practical coverage depends on the application method and chosen colour shade. | | | |
| CLEANING TOOLS | TESSAROL NITRO THINNER | | | |

SURFACE PREPARATION

Galvanized steel metal

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, brass and 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 | PRIMER | TOPCOAT |
|--|--------------------|--|--------------------------|--|
| NEW GALVANIZED STEEL METAL, | indoors | removing corrosive products and impurities | / | 1-2x TESSAROL ENAMEL FOR GALVANIZED STEEL METAL |
| COPPER, BRASS, ALUMINIUM* | outdoors | | / | |
| NEW HOT GALVANIZED STEEL METAL | indoors / outdoors | removing corrosive products and impurities; slight sandblasting of the surface | / | 1-2x TESSAROL ENAMEL FOR GALVANIZED STEEL METAL |
| OLD COATINGS – GALVANIZED STEEL, COPPER, BRASS, ALUMINIUM* | indoors / outdoors | cleaning, sanding and removing damaged coatings | / | 1-2x TESSAROL ENAMEL FOR GALVANIZED STEEL METAL |
| OLD AND CORRODED - GALVANIZED STEEL METAL** | indoors / outdoors | cleaning, sanding and removing corrosive products and impurities | 1x MOBIHEL primer | 1-2x TESSAROL ENAMEL FOR GALVANIZED STEEL METAL |

NOTES AND SPECIAL FEATURES

- * Before painting the aluminum substrate, a preliminary test of adhesion of the coating onto the cleaned surface is required.
- A strong odour of organic solvents may appear in poorly ventilated spaces.
- ** In majority cases the primer is not needed. We only recommend the use of **MOBIHEL primer** when repairing old and corroded galvanized steel (where the protective zinc failed). Do not use **TESSAROL PRIMER UNI** in the system with **TESSAROL ENAMEL FOR GALVANIZED STEEL METAL**. The topcoat will dissolve the primer due to its different composition.
- We can reach low durability C-5 with **TESSAROL ENAMEL FOR GALVANIZED STEEL** in principle in two layers, end thickness 160 microns and inside.