

## DESCRIPTION

Two-component polyurethane anticorrosive, weather-resistant enamel.  
Aliphatic isocyanate is used as a hardener.

Possible modifications:

80% glossy;  
**50-60% semi-gloss;**  
Tex textured;  
20% matte.

## PRODUCT FEATURES

- When applied in two layers, it can be used as an independent coating;
- Zinc phosphate is used as an anticorrosive pigment;
- Excellent weather and abrasion resistance;
- Suitable for use as a semi-gloss topcoat of epoxy and polyurethane systems exposed to atmospheric and/or chemical stress;
- Recommended for painting vehicles, equipment, storage tank exteriors, steel frames and other steel structures, machinery;
- Has good adhesion to various plastics (except PE/PP).

## Mixing ratio

		% in weight, g	% in volume, ml
Product	DTM 113	100	100
Quick hardener	Hardener №3	20	30
Slow hardener	Hardener №1	20	30
Thinner	Thinner 1, 3	10-30	15-30

Volume solids 52 ± 2%

Viscosity comp. A+B 40-90 sec

Weight solids 55-75 %

Density A+B 1,2-1,3 kg/l

Viscosity comp. A 80 - 180 sec

Pot life 4 h

DFT 50 mkm	+10 °C	+23 °C	+35 °C
Dust dry	30 min	20 min	10 min
Touch dry	6 h	4 h	2 h
Minimal drying between layers	15 min	5-7 min	5 min

Temperature drying: 60°C – 30 min.

The data are given at a relative humidity of 65%. If the humidity changes, the data may change.

Complete formation of the coating during natural drying – 7 days.

## RECOMMENDATIONS FOR APPLICATION

- Is applied in 2 layers. Theoretical consumption without a thinner at DFT 40 mkm is 95 g/m<sup>2</sup>.
- In order to obtain an even, non-porous finish at airless spraying the viscosity should be 50–60 s DIN4.
- For airless spraying, the product is thinned depending on the temperature of the components (base, hardener, thinner) and the required viscosity approximately 5–10%. Recommended nozzle tip is 0.011"–0.017" and pressure 120–160 bar. Spray angle shall be chosen according to the shape of the object.
- For conventional spraying, the product is thinned depending on the temperature of the components (base, hardener, thinner) and the required viscosity the paint approximately 20%. Working viscosity is 22-30 sec according to DIN4. Recommended nozzle tip is 1.4–1.8 mm and pressure 3–4 bar.
- For brush application product should be thinned according to the circumstances.

## SHELF LIFE

12 months

## SURFACE PREPARATION

All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below +5°C during application and drying. Relative humidity of the air should not exceed 80% during application and drying. The surface temperature of steel should remain at least 3°C above the dew point. Good ventilation and sufficient air movement is required in confined areas during application and drying.

## SAFETY MEASURED

Contains organic solvents. Perform painting work with local and general ventilation. Use rubber gloves to protect your hands, and personal protective equipment to protect your respiratory organs. Store the product in a tightly closed container. Keep away from sources of ignition, heat, sparks, open fire, static electricity. Do not smoke nearby. Use explosion-proof equipment, lighting, intrinsically safe tools. Extinguish by spraying water or using an air-mechanical foam and powders. In case of contact with the skin, wash the contaminated areas with soap and water, dry and lubricate with a fat-based cream.

**For industrial and professional use only.**

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. As a manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.