

## TECHNICAL DATA SHEET

# NowoMetal Roof 2-K Combi SB

**Product description**

Nowo Metal Roof 2-K PU Combi SB is a polyurethane that contains active anti-corrosion pigments. The hardener is of the aliphatic Isocyanate type.

**Application**

Suitable for single-layer painting of sheet metal roofs and sheet metal facades made of metallized steel (zinc, zinc/aluminum) or aluminum, as well as for many types of previously industrial or spot-painted surfaces. Can be used as a topcoat in epoxy and polyurethane systems. Old roofs coated with Plastisol should normally be cleaned to a metallic clean surface. PVF2/PVDF coated surfaces must be treated with a PVDF primer, as the adhesion on top of these type of coatings is often limited with conventional paint types. Before application, the surface must be dry and completely clean of dirt, moss, algae, loose rust and paint with bad adhesion.

Rust spots that cannot be removed either by high-pressure cleaning or steel brushed down to clean metal surface, may need to be treated with Nowo Metal Special Primer SB.

Always carefully stir the product slowly with electric mixer for 2-3 minutes, before using it. In case of uncertainty always start by applying to a small test area to ensure that the product is compatible with the surface that is to be treated.

**Properties**

Nowo Metal Roof 2-K, PU Combi SB has excellent weather resistance and mechanical durability. Does not chalk and has excellent color and gloss retention.

**Technical data**

<b>Colour:</b>	Range of standard RR colors available. NCS/RAL colors possible on demand.
<b>Dry volume:</b>	55-60% mixed product depending on color.
<b>Dry weight:</b>	70-80% mixed product
<b>Recommended thickness painted surfaces:</b>	60-80µm dry film (wet film: 110-150 µm) on surfaces with an intact color layer from previous painting, or on a primed surface.
<b>Recommended thickness old worn surfaces</b>	2 x 50-60µm dry film (wet film: 95-100 µm per layer) is recommended on older and worn roofs or on roofs with a low slope and on exposed parts/details where water can stand. In extreme marine environments, the higher range are recommended as the layer thicknesses.
<b>Theoretical coverage:</b>	5,5 m <sup>2</sup> per litre by 100µm dry film
<b>Thinner:</b>	Nowo Metal 2K Thinner
<b>Cleaning:</b>	Nowo Metal 2K Thinner
<b>Gloss (60°):</b>	Semi-gloss



COATING THE FUTURE



<b>Storage:</b>	In tightly sealed packaging at temperatures between 5°C and 25°C
<b>Voc (max):</b>	400 g/l
<b>Density:</b>	Without hardener: 1,40-1,60 g/ml. With hardener: 1,40-1,60 g/ml.
<b>Pot life (+23°C):</b>	>6 hours
<b>Drying time +20°C/ 40-60% RH at 240 µm (wet film):</b>	
<b>Dust dry:</b>	1-2 hours (ISO 1517:1973)
<b>Surface dry:</b>	2-3 hours (ISO 1517:1973)
<b>Can be painted over:</b>	1-2 hours, by itself.
<b>Safety data:</b>	See safety data sheet (MSDS)
<b>Packaging:</b>	10 litre set (8,8 L + 1,2 L)

#### Pretreatment

All kind of contamination on the roof surface must be removed using suitable methods. (ISO 8501-1). Be sure to rinse off all detergent residue with clean water before it dries on the surface.

Pretreatment sanding on previously painted surfaces must be carried out so that previous layers of paint with poor adhesion are completely removed and that all possible rust is treated to at least St2 according to ISO 8501-1. Rusty surfaces and rust stains should be primed with Nowo Metal Special Primer SB.

Before painting on previous industrially painted surfaces, it should be determined what the previous painting is, in order to be able to assess the suitability for overpainting. In case of uncertainty, a test area must be carried out – and adhesion test should be evaluated after 14 days.

#### Priming

On rusty surfaces or where extra good adhesion is required, use Nowo Metal Special Primer SB or alternative an extra layer of Nowo Metal Roof 2-K Combi SB.

#### Instructions

Brushes and rollers should only be used on smaller surfaces that are hard to reach or unsuitable for spray painting. Airless spraying is carried out with a nozzle 0.013"-0.017". Working pressure > 120 bar. If thinning is needed, we recommend Nowo Metal 2K Thinner.

#### Remarks

Before application, the surface must be dry and completely clean of dirt, moss, algae, loose rust and paint residue. During application and drying time, the temperature of the air, the surface and the paint must be above +10°C and the air's relative humidity RH below 80%. We also recommend that air temperature is maximum +30°C, and painting in direct sunlight should be avoided.

*This Technical Data Sheet (TDS) has been compiled on the basis of our many years of experience and latest know-how in the field. It is the intention to support craftsmen in choosing the right materials and using them according to the regulations. The information contained in this TDS does not constitute a guarantee and does not exempt users from the responsibility to check the material and its suitability for the intended use. All new versions replace previous TDS versions. Last updated 19.02.2024.*