

TECHNICAL DATA SHEET

NowoMetal Roof Top WB

Product description

Nowo Metal Roof Top WB is a water based 1 component combi product. The product is based on alkyd/acrylic binders and contains corrosion-inhibiting pigments, specially developed for painting roof and façade surfaces.

Application

Nowo Metal Roof Top WB is suitable as maintenance paint for most types of industrially painted surfaces, such as all types of aged Polyester surfaces etc. For painting metal roofs and facades of metallized steel (zinc, zinc/aluminum) or aluminium, as well as for many types of previously industrial or spot-painted surfaces. Old roof surfaces coated with Plastisol must normally be pre-treated to a clean metal 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 Top WB is easy to apply up to 400 µm (wet film) and provides excellent corrosion protection and resistance to water, air pollution, UV radiation and chemicals. The product dries quickly and does not get white spots after water exposure. The dry paint film is highly elastic and does not crack with thick layers.

Technical data

Colour:	Range of standard RR colors available. NCS/RAL colors possible on demand.
Dry volume:	40±5%
Dry weight:	50±5%
Recommended thickness painted surfaces:	100-125µm dry film (wet film: 240-300 µm) on surfaces with an intact color layer from previous painting, or on a primed surface.
Recommended thickness old worn surfaces:	2 x 80-100µm dry film (wet film: 190-240 µm) is recommended on older and worn roofs or on roofs with a low slope and on exposed parts/details. In extreme marine environments, the higher range are recommended as the layer thicknesses.
Theoretical coverage:	3,2-4,0 m ² per litre
Thinner:	Water



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Cleaning:	Water/soap
Gloss (60°):	Semi-matt
Storage:	In tightly sealed packaging at temperatures between 5°C and 25°C
Voc (max):	10 g/l
Density:	1.20±0.2 g/ml
pH:	8-9
Drying time +20°C/ 40-60% RH at 240 µm (wet film):	
Dust dry:	30-60 minutes (ISO 1517:1973)
Surface dry:	2-3 hours (ISO 1517:1973)
Can be painted over:	2 hours, by itself.
Safety data:	See safety data sheet (MSDS)
Packaging:	20 litre

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, alternatively according to ISO 8501-4:2020 (high pressure water cleaning 340-700 bar) to a cleanliness level of WA2 or higher. 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.

ISO 2409: after the test, the adhesion should be approved according (max) to Classification 1. "8.1.4 Spacing of cuts The spacing of the cuts in each direction shall be equal and shall depend on the thickness of the coating and on the type of substrate as follows: up to 60 µm: up to 60 µm: 61 µm to 120 µm: 121 µm to 250 µm: 1 mm spacing, for hard (e.g. metal and plastics) substrates; 2 mm spacing, for soft (e.g. wood and plaster) substrates; 2 mm spacing, for both hard and soft substrates; 3 mm spacing, for both hard and soft substrates. The cross-cut test is not suitable for coatings of total thicknesses greater than 250 µm."

NOTE be used. For coatings of total thickness greater than 250 µm, the X-cut method described in ISO 16276-2 (normally used when it comes to roofs with many layers on top of Plastisol).



COATING THE FUTURE



Priming

On rusty surfaces or where extra good adhesion is required, use Nowo Metal Special Primer SB or Nowo Metal Primer WB. 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 maximum of 5% dilution with water, and with a nozzle 0.017"-0.021". Working pressure > 170 bar.

When surface temperature exceeds 25 °C it is recommended to add Nowo Metal Summer Additive WB to extend the opening time of the paint film.

Remarks

Before application, the surface must be dry and completely clean of dirt, moss, algae, loose rust and paint residue. Remember to stir the product thoroughly before use. During application and drying time, the temperature of the air, the surface and the paint must be above +10 degrees and the air's relative humidity RH below 80%. 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.