

Product Data Sheet

NA110 - Corrosion Protection for Light Metals, Room Temperature Hardening with High Temperature Resistance.

The coating material produces a mechanically resistant coating with high adhesion properties on light metals. The surface system creates a matt coating with good abrasion resistance, stability against high temperatures (up to 450°C) and corrosive media, such as acids and alkaline condensates.



Wirkmechanismus:



Main Area of Application:

Corrosion protection of light metals.

Material Basis: Inorganic-Organic two component hybrid system, solvent based.

Colour: Hardened beige matt

pH-Value: <7, lightly sour

Container Sizes:

5-L-PE-Canister 5 kg

Further container sizes available on request.

Storage:

At least 6 months at 5°C to 20°C in tightly closed original containers. Protect from frost and higher temperatures. The material is to be re-tested after exceeding the storage duration. Once the container has been opened it has to be closed air tight again. Ensure sufficient ventilation in the storerooms.

Preparation:

The two components are mixed after stirring or pouring at a ratio of A:B = 30:1. For details see the separate instructions.

Processing:

Application generally by spraying or dipping. For details see the separate instructions.

Processing Temperatures:

Air and object temperature 5°C to 35°C. Variations to the surrounding temperatures can influence the hardening time. Drying out within max. 24 hours. Chemically resistant after approx. 1 week.

Coverage:

The coverage is dependent on the surface roughness and the type of application process.

Protective Measures:

The information and safety advice on the container are to be observed during processing and also the appropriate accident prevention regulations of the relevant trade association. Further details can be obtained from the Data Safety Sheets.

Tool Cleaning:

With thinners and a cloth.

Improvements and Re-Coating

Mechanically by grinding down, resp. by laying in a bath of caustic potash solution and 2-Propanol.

Waste Disposal:

Disposal of the material remains according to the legal provisions for the disposal of Paints and Lacquers.

Technical Data:

Salt Spray (accord. to DIN EN ISO 9227 NSS):	1000 hrs.
CASS (accord. to DIN EN ISO 9227 CASS):	240 hrs.
Filiform Corrosion (accord. to DIN EN 3665):	o.k., no infiltration
Weathering (accord. to DIN EN ISO 4892-3: 4 hrs. UV-B 60°C ; 4hrs. Water Condensation 50°C):	500hrs.

Climate Change accord. to DBL 7906:

15 min 23°C; 4hrs -30°C;	
15 min 23°C; 4hrs 80°C;	
30 min 40°C (98% rel. Humidity)	5 Cycles

Acidity / Alkali Resistance:	pH 1 to pH 11
Pencil Hardness:	HB
Tabertest (CS10 F Roll;1.000 Revolutions):	8 mg
Temperature Resistance:	Sustainable to 450°C

This technical information has been formed and is based on state-of-the-art technology and our experience.

However with respect to the wide variety of surfaces and object conditions, the user is not released from his obligations to test in regard to the technical and artisan requirements, and under his own responsibility, the suitability of our material for the intended purpose and individual object conditions found.

The contents of the technical data sheet cannot be assumed to lead to a liability of the manufacturer because the use and processing of the material lies outside of our influence Our General Terms of Business apply in any case.

This Information Sheet loses its validity in the case of the release of a new edition.

Status as of 04/09