

DTM+ Water-Based Anticorrosive Primer / Topcoat

English translation of manufacturer TDS | Original revision: 04/2022

PRODUCT DESCRIPTION

Water-based primer/topcoat for direct application to metal. Contains anticorrosive additives to help prevent rust, provides excellent adhesion to various surfaces, has no residual odor and very high resistance to UV radiation. Suitable for interior and exterior application.

USES

For painting various metal installations. User- and environment-friendly.

SURFACE PREPARATION

Black / rusty steel: remove dirt, dust and oils using Nirlat thinner 021 (or 032). Abrasive blast clean to Sa 2.5 according to ISO 8501-1, or remove loose rust to St 3. Galvanized steel / aluminum: lightly roughen the surface with suitable equipment until the gloss is removed, and degrease using thinner 032; allow the thinner to dry completely before painting. Previously painted substrates: verify the coating is sound and free of dust, rust, oils and other contamination; roughen the surface and remove loose paint residues.

DRYING

At 25°C: touch dry 1 hour; ready for handling/work 2-3 hours; minimum interval between coats 2-3 hours; final drying 24 hours.

APPLICATION INSTRUCTIONS

Stir well before use. Apply by brush, roller or spray. Apply a uniform coat at approximately 100 µm wet film thickness. Apply an additional coat after 2-3 hours. Apply when ambient temperature is 7-35°C and the surface temperature is at least 3°C above the dew point. Avoid exterior application when rain or a sandstorm is expected. The source also states suitability for contact with elastomeric seals such as door, window and frame seals.

DILUTION

Ready for use. If required, dilute with water up to 10%.

TECHNICAL DATA

Technical item	Value
Color	Most RAL fan shades
Gloss	Silk
Solids by volume	35%
Recommended wet film thickness	100 µm
Recommended dry film thickness	35 µm
Theoretical coverage	5 m²/L per coat at 35 µm DFT
Recommended coats	2-3
Application	Brush, roller, spray
Package sizes	0.75 L, 4.5 L
Shelf life / storage	24 months in a shaded, cool place, in the original tightly closed package

ADDITIONAL TECHNICAL NOTES

Spray guidance in the source: conventional spray nozzle 1.7 mm or larger, pressure 4 atm; airless spray compression ratio 1:28, nozzle 0.017 inch or larger. Clean spray equipment and tools with lukewarm water before the paint dries.

LIMITATIONS / SAFETY

Before use, read and follow the Safety Data Sheet. During application, protective goggles and good ventilation are recommended. If material contacts the eyes, rinse thoroughly with running water and seek medical advice. Keep package tightly closed and out of reach of children.

Before use, verify proper surface preparation and product suitability for the intended application. The user must determine suitability for their needs. Nirlat reserves the right to update technical data. Do not mix or tint with materials not recommended by Nirlat. For warnings and safety instructions, consult the product label and SDS.

TRANSLATION NOTICE

This document is an English translation prepared for Colorstorm from Nirlat's Hebrew manufacturer TDS. It is provided for reference and does not replace the manufacturer's original Hebrew document, product label, SDS, or project-specific technical advice.

Original manufacturer source: <https://nirlat.com/wp-content/uploads/2019/12/DTM-elyon-water-base-Antikorozi.pdf>