Technical data sheet

NOVORUST 2850 DTM

Highly elastic direct epoxy topcoat –
semi-matt, cured with polyamine.
Contains anti-corrosion pigments based on zinc, aluminium and phosphorus oxides

RELATED PRODUCTS

H5960	Hardener
THIN 60	Epoxy thinner

USE:

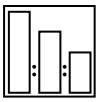
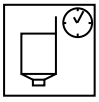
- Indoor steel structures

PROPERTIES

- Excellent mechanical resistance
- Excellent hiding power and flowability
- High yield
- Good chemical resistance

NOVORUST 2850 DTM

Technical Data Sheet
01/04/2021

SUBSTRATES			
Epoxy primers	PROTECT 365 epoxy primer sanded with P240 paper. Minimum primer thickness: 60 µm.		
MIXING RATIO			
		Volume ratio	Weight ratio
	NOVORUST 2850 DTM H5960 THIN 60	100 30 0 - 15%	100 19 0 – 9
Apply the thinner in the amount calculated for the direct topcoat.			
VISCOSITY			
	DIN 6/20°C	100+30	80 - 100 s
		100+30+15%	25 - 40 s
VOC CONTENT			
VOC II/B/d limit * VOC actual 100+30 VOC actual 100+30+15%		420 g/l ca. 345 g/l ca. 400 g/l	
* For the ready to apply mixture compliant with Directive UE 2004/42/CE			
APPLICATION CONDITIONS			
The painted surface must be dry. The coat, coated surface and ambient temperatures must not be below +15°C; the relative humidity must not exceed 80%. The coated surface temperature must exceed the dew point by at least 3°C.			
APPLICATION			
 CAUTION: Instructions of the equipment manufacturer must be followed.		Nozzle	Pressure	Distance
	Pneumatic spraying 100+30+15%	1.8 ÷ 2.2 mm	2 ÷ 4 bar	15 ÷ 20 cm
	Airless spraying in air jacket 100+30	0.38 ÷ 0.48 mm (0.015" ÷0.019")	130 - 180 bar Air jacket 2 bar	10 ÷ 15 cm
	Number of layers	1÷2		
	Single dry layer thickness	100 ÷ 200 µm		
	Yield of the ready to apply mixture for a dry coating thickness in the provided range	4.5 m^2/l at 140 µm		
	Mixture life at 20°C	5 h		

NOVORUST 2850 DTM

Technical Data Sheet
01/04/2021

	Flash-off time between layers	10 ÷15 min

RESISTANCE TO FLOWING

Use the mixing ratio of 100+30 (without the thinner) to achieve a single dry layer thickness of over 200 µm.

TECHNICAL DATA

Product	Solids content by weight	Solids content by volume	Density
NOVORUST 2850 DTM	74 %	57 %	1.48 g/cm^3
H5960	68 %	65 %	0.92 g/cm^3
NOVORUST 2850 DTM + H5960 (100+30)	73 %	63 %	1.28 g/cm^3

CURING TIMES

	20°C	60°C
Dust-free	2 h	20 mins
Touch dry	24 h	1 h
Operating hardness	3 days	1.5 h
Ending hardness	7 days	2 h + 1 day/20°C

CAUTION: The curing times apply to the temperature of specific elements.

COLOUR

RAL 7012
RAL 9005

EQUIPMENT CLEANING

THIN 60 or NC solvent.

STORAGE CONDITIONS

Store in a cool, dry room, away from sources of fire and heat at 5 ÷ 25°C.
Avoid direct exposure to sunlight.

SHELF LIFE

NOVORUST 2850 DTM	12 months/20°C
H5960	24 months/20°C
THIN 60	24 months/20°C

SAFETY

See Safety Data Sheet.

OTHER INFORMATION
Registration number: 000024104. The effectiveness of our systems results from laboratory research and many years of experience. The data presented herein is based on the present state of knowledge about our products and their application. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to do a trial/test application of the product due to the potential variation of product performance between substrate materials. We may not be held liable for defects if final results were affected by factors beyond our control.