

# **NOVORUST 2070 TIX DTM**

**Direct acrylic-polyurethane topcoat– semi-gloss**

Direct acrylic-polyurethane thixotropic topcoat, cured with aliphatic isocyanate.  
Contains anticorrosive pigments based on zinc, aluminium and phosphorus oxides

## **RELATED PRODUCTS**



<b>Pigment pastes</b>	Universal pigmented pastes
<b>HARD 10 STANDARD</b>	Hardener for polyurethane products standard
<b>HARD 10 FAST</b>	Hardener for polyurethane products fast
<b>THIN 50</b>	Universal thinner standard, fast and slow





## **USE:**

- Means of transport
- Machines and equipment
- Outer surfaces of tanks
  - Steel structures

## **PROPERTIES**

- VOC-standards compliant
  - High yield
- Excellent anticorrosive properties
- Possibility of the application up to 350 µm wet in a single layer
- Excellent resistance to atmospheric conditions
  - Good chemical resistance
  - Good mechanical resistance

SUBSTRATES			
Steel	Clean steel surfaces until reaching Sa 2 <sup>1/2</sup> (wet blasting) or St3 (manual cleaning or using a power tool) in accordance with the PN-ISO 12944-4 standard; the surface after the treatment must be free from oil, grease, dust, loose old paint coating, mill scale, rust and foreign contaminants; the surface should exhibit the gloss of the metal substrate.		
Galvanised steel	In order to produce a coarse substrate, use light abrasive blasting with round non-metallic abrasive grains or sand with P240 to P320 and then degrease.		
Old paint coatings	Mat and degrease.		
Polyester laminates	Mat and degrease.		
Concrete	The concrete shall be dry (max. moisture content 3%) with the surface clean, free of cracks, crazing and all types of dirt and debris (dust, sand grit, oil, fat, or poorly adhering paint coats).		
Wood, composite wooden panels	Matt, dust off.		
MIXING RATIO			
	NOVORUST 2070 TIX DTM HARD 10 THIN 50	Volume ratio	Weight ratio
		4	100
		1	19
		5 - 10%	4 - 8
Apply the thinner in the amount calculated for the topcoat.			
VISCOSITY			
	DIN 6/20 °C	4:1 + 5%	4:1 + 10%
		60s ÷ 65s	37s ÷ 43s
CONTENT OF VOLATILE ORGANIC COMPOUNDS			
VOC II/B/d limit *		420 g/l	
Actual VOC (4+1+5%)		390 g/l	
Actual VOC (4+1+10%)		410 g/l	
* For the ready to apply mixture compliant with Directive UE 2004/42/CE			
APPLICATION CONDITIONS			
The coated surface should be dry. The temperature of the coat, coated surface and environment should be between +10°C and +35°C at a maximum relative humidity of 80%. The coated surface temperature should exceed the dew point by a minimum of 3°C.			
TEMPERATURE RESISTANCE			
The operating temperature of the applied primer is between -60°C and +80°C. Transient temperatures up to +120°C maximum are permitted.			

APPLICATION						
 CAUTION: Instructions of the equipment manufacturer must be followed.	Pneumatic spraying	Nozzle	Pressure	Distance		
		1.8 ÷ 2.2 mm	2 ÷ 4 bar	15 ÷ 20 cm		
	Airless spraying	0.33 ÷ 0.38 mm (0.013" ÷ 0.015")	100 ÷ 180 bar Air jacket 2 bar	10 ÷ 15 cm		
	Number of layers	1 – 2				
	CAUTION: The minimum direct topcoat thickness is 100 µm on steel substrates.					
	Single dry layer thickness.	120-150 µm				
	Yield of the ready to apply mixture for a dry layer thickness in the provided range	5.6 m <sup>2</sup> /l 0.18 l/ m <sup>2</sup> at 100 µm				
	Mixture life at 20°C	6 hours for HARD 10 STANDARD 2 hours for HARD 10 FAST				
	Flash off between layers	10 ÷ 15 min.				
GLOSS						
At 60° approx. 60						
NOTE: The gloss depends on the application method, the thickness of applied coats and the colour.						
TECHNICAL DATA						
Product	Solids content by weight	Solids content by volume	Density	Fineness of grind		
NOVORUST 2070 TIX DTM	≈ 67 ÷ 71 %	≈ 58 ÷ 63 %	≈ 1.30 ÷ 1.40 g/cm <sup>3</sup>	< 12.5µm		
HARD 10	56 %	55 %	1.03 g/cm <sup>3</sup>	—		
NOVORUST 2070 TIX DTM + HARD 10 4+1	≈ 65 ÷ 68 %	≈ 57 ÷ 61 %	≈ 1.25 ÷ 1.33 g/cm <sup>3</sup>	< 12.5µm		
CURING TIMES						
	HARD 10 STANDARD			HARD 10 FAST		
	10°C	20°C	60°C	10°C	20°C	60°C
Dust free	-	60 min.	15 min.	3 hours	45 min.	-
Tack free	-	8 hours	40 min.	18 hours	5 hours	-
Operating hardness	-	24 hours	60 min.	28 hours	18 hours	-
CAUTION: The drying times apply to the temperatures of the individual elements.						

# NOVORUST 2070 TIX DTM

 Technical Data Sheet  
 15.05.2025

<b>EQUIPMENT CLEANING</b>	
THIN 50 universal thinner or NC solvent.	
<b>STORAGE CONDITIONS</b>	
Store in a dry room, away from sources of flame and heat. Avoid direct exposure to sunlight. Recommended storage temperature: +5°C to +35°C.	
<b>SHELF LIFE *</b>	
NOVORUST 2070 TIX DTM	24 months/20 °C
Pigment pastes	24 months/20 °C
HARD 10 STANDARD	18 months/20 °C
HARD 10 FAST	12 months/20 °C
THIN 50	24 months/20 °C
* In original sealed packaging	
<b>SAFETY</b>	
See Safety Data Sheet.	
<b>OTHER INFORMATIONS</b>	
Registration number: 000024104.  The effectiveness of our systems results from laboratory research and many years of experience. The data contained herein meets the current knowledge about our products and their application potential. 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 test application of the product due to its potentially different reaction with different materials. We may not be held liable for defects if the final result was affected by factors beyond our control.	