

Technical data sheet

NOVOPUR 1050 TIX

Polyurethane topcoat – semi-matt Two-component polyurethane topcoat hardened with aliphatic isocyanate

RELATED PRODUCTS

Pigment pastes

HARD 10 STANDARD

HARD 10 FAST

THIN 50

Universal pigment pastes

Hardener for polyurethane products standard

Hardener for polyurethane products fast

Universal thinner standard, fast and slow

USE:

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

PROPERTIES

- Perfect hiding power and flowability
 - Perfect scratching resistance
 - High yield
 - Very good chemical resistance
- Excellent resistance to atmospheric conditions
 - Very good mechanical resistance
 - Non-flammable per PN-EN 45545
- Certificate of Conformity from the Polish Railway Institute



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2021/11/02 SUBSTRATES						
Acrylic, polyurethane, epoxy primers		Prepare in accordance with the information contained in the primer specifications.				
Old paint coatings		Mat and degrease.				
Polyester laminates		Mat and degrease.				
MIXING RATIO	MIXING RATIO					
			Volume ratio		Weight ratio	
	NOVOPUR 1050 TIX HARD 10 THIN 50		5 1 5 ÷ 10%		100 18 4 ÷ 8	
Apply the thinner in the amount calculated for the topcoat.						
VISCOSITY						
	DIN 4/20°C		35 ÷ 50 s			
CONTENT OF VOLATI	LE ORG	GANIC COMPOUNDS				
Actual VOC content			approximately 500 g/l depending on the colour			
APPLICATION CONDI	TIONS					
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 RESIS	STANCI	E				
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.			Nozzle	Pressure	Distance	
	Pneur	matic spraying	1.6 ÷ 1.8 mm	2 ÷ 4 bar	15 ÷ 20 cm	
	Only f	s spraying in air jacket. for HARD 10 standard HIN 50 standard.	0.28 ÷ 0.33 mm (0.011" ÷ 0013 ")	100 ÷ 120 bar Air jacket 2 bar	10 ÷ 15 cm	
	Numb	per of layers	1 ÷ 2			
	Single	e dry layer thickness.	40 ÷ 60 μm			
	mixtu	of the ready to apply re for a dry layer ess in the provided range	$8 \div 10 \text{ m}^2\text{/I}$ $0.10 \div 0.12 \text{ I/ m2}$ at $50 \mu\text{m}$			



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	Mixture life at 20°C	6 hours for HARD 10 STANDARD 2 hours for HARD 10 FAST	
(1/1)	Flash off between layers	10 ÷ 15 min.	

TECHNICAL DATA

Product	Solids content by weight	Solids content by volume Density		Fineness of grind
NOVOPUR 1050 TIX	≈ 53 ÷ 60 %	≈ 51 ÷ 56 %	≈ 1.10 ÷ 1.20 g/cm ³	< 12.5μm
HARD 10	≈ 56 %	≈ 55 %	≈ 1.03 g/cm³	-
NOVOPUR 1050 TIX + HARD 10 5+1	≈ 53 ÷ 60 %	≈ 52 ÷ 56 %	≈ 1.08 ÷ 1.17 g/cm ³	< 12.5μm

Solids content may vary ± 10%.

GLOSS

At 60° approx. 50

CURING TIMES

	HARD 10 STANDARD			HARD 10 FAST		
	10°C	20°C	60°C	10°C	20°C	60°C
Dust-free	-	40 min.	15 min.	6 hours	25 min.	-
Tack-free	-	6 hours	35 min.	24 hours	4 hours	-
Operating hardness	-	21 hours	60 min.	72 hours	12 hours	-

CAUTION: The curing times apply to the temperatures of the individual elements.

EQUIPMENT CLEANING

THIN 50 universal thinner or NC solvent.

STORAGE CONDITIONS

Store in a dry room, away from sources of flame and heat. Avoid direct exposure to sunlight. Recommended storage temperature: $+5^{\circ}$ C to $+35^{\circ}$ C.



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	2021/11/02
SHELF LIFE *	
NOVOPUR 1050 TIX	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
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^{*} In original sealed packaging

SAFETY

See Safety Data Sheet.

OTHER INFORMATIONS

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.