

Technical Data Sheet

# **NOVOTEC 3190**

**Alkyd Topcoat Fast Dry – Gloss**

One-component air-dried  
alkyd topcoat

## **RELATED PRODUCTS**

**Pigment pastes**

**THIN 50**

Universal pigment pastes

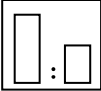




Universal thinner,  
slow, standard, and fast

## **USE:**

- Transport vehicles
- Machines and equipment
- Outer surfaces of tanks
  - Steel structures

## **PROPERTIES**

- Perfect hiding power and flowability
  - High yield
- Good chemical resistance
- High resistance to atmospheric conditions
  - Good mechanical resistance
    - High thixotropy

SUBSTRATES				
Bases: alkyd, polyurethane or epoxy coats		Prepare according to the basecoat specification.		
Old coatings		Mat and degrease.		
Polyester laminates		Mat and degrease.		
MIXING RATIO				
	NOVOTEC 3190 THIN 50	Volume ratio	Weight ratio	
		100 0 - 15%	100 0 - 15	
Apply the thinner in the amount calculated for the topcoat. Do not add thinner to airless application.				
VISCOSITY				
	DIN 4/20°C		45 - 65 s	
VOC CONTENT				
Actual VOC content		560 - 610 g/l, depending on the colour		
APPLICATION CONDITIONS				
<p>The coated surface must be dry. The coat, coated surface and ambient temperatures must be between +10°C and +35°C; the relative humidity must not exceed 80%. The coated surface temperature must exceed the dew point by at least 3°C.</p> <p>Mix the product thoroughly (remove the skin from the surface, if any).</p>				
APPLICATION				
	CAUTION: Follow the equipment manufacturer's guidelines	Nozzle	Pressure	Distance
		Pneumatic spraying	1.3 – 1.5 mm	2 – 4 bar
	Airless spraying in air jacket	0.28 – 0.33 mm (0.011" – 0.013")	150 – 200 bar Air jacket 2 bar	10 – 15 cm
	Number of layers	1-2 Recoat in 1-5 h.		
	Single dry layer thickness	45 – 55 µm		
	The yield of the ready to use mixture for the given range of dry layer thickness	9 -10 m <sup>2</sup> /l 0.10 ÷ 0.11 l/ m <sup>2</sup> at 50 µm		
	Flash-off time between layers	5 –10 min		

TECHNICAL DATA				
Product	Solids content by weight	Solids content by volume	Density	Fineness of grind
NOVOTEC 3190	≈ 48%	48%	0.95-1.0 g/cm <sup>3</sup>	< 15µm
Gloss				
At 60° approx. 90				
CURING TIMES				
	10°C	20°C		
Dust-free	5 hours	30 min.		
Tack-free	12 hours	1.5 hours		
Operating hardness	24 hours.	10 hours		
CAUTION: The curing times apply to the temperatures of the individual elements.				
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.				
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°C to +35°C.				
SHELF LIFE				
NOVOTEC 3190	12 months/20°C			
Pigment pastes	24 months/20 °C			
THIN 50	24 months/20°C			
* In original sealed packaging				
SAFETY				
See the Safety Data Sheet.				
OTHER INFORMATION				
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 perform 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.				

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