

Technical data sheet  
**NOVOBASE 5020**  
Basecoat  
One-component fast-drying basecoat

**RELATED PRODUCTS**

**Pigment pastes**

**THIN 50 FAST**

**PLUS 951**

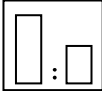

Universal pigmented pastes





Universal thinner, fast

Accelerating agent for basecoats

**PROPERTIES**

- Excellent hiding power
  - High yield
  - Wide range of colours
- Adhesive film can be applied in 15 min.
  - Good chemical resistance
- Certificate of Conformity from the Polish Railway Institute.

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				
	NOVOBASE 5020 THIN 50 FAST	Volume ratio	Weight ratio	
		1	100	
		1	85	
	NOVOBASE 5020	1	100	
	PLUS 951	0.1	10	
	THIN 50 FAST	0.9	75	
VISCOSITY				
	DIN 4/20 °C	14 ÷ 17 s		
TECHNICAL DATA				
Product	Solids content by weight	Solids content by volume	Density	Fineness of grind
Novobase 5020	≈ 40 %	≈ 30 %	≈ 1.05 g/cm <sup>3</sup>	< 7.5µm
Novobase 5020+ THIN 50 FAST; 1:1	≈ 22 %	≈ 16 %	≈ 0.95 g/cm <sup>3</sup>	< 7.5µm
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
Actual VOC content*		approximately 750 g/l depending on the colour		
* Applies to the ready to apply mixture; for use in countries where regulations of Directive 2004/42/EC of the European Parliament and of the Council of April 21, 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products do not apply.				
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 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.				

APPLICATION				
 CAUTION: Instructions of the equipment manufacturer must be followed.		Nozzle	Pressure	Distance
	Air spray with traditional gravity-fed guns	1.3 ÷ 1.4 mm	2 ÷ 4 bar	15 ÷ 20 cm
	Air spray with HVLP gravity-fed guns	1.2 ÷ 1.3 mm	2 ÷ 4 bar	10 ÷ 15 cm
		For effect colours for the drop layer, the material quantity and the pressure should be decreased.		
	Number of layers	0.5 + 1÷2		
	effect colours	0.5 + 1÷2 + 0.5		
	Dry coating thickness	15 ÷ 25 µm		
	Mixture life at 20°C	3 months w/o PLUS 951 and w/o thinner 16 h with PLUS 951 and thinner		
	Flash off between layers	Between layers until surface is matt. 10 ÷ 15 min. after the last layer.		
COATABILITY				
Topcoat application time for a 50 µm thick primer.		10°C	20°C	
		40 min.	15 min.	
Coatable by all NOVOL clearcoats The maximum coating time without mating is 16 h..				
EQUIPMENT CLEANING				
THIN 50 FAST universal thinner (fast) 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				
NOVOBASE 5020		24 months/20 °C		
Pigment pastes		24 months/20 °C		
THIN 50 FAST		24 months/20 °C		
PLUS 951		6 months /20°C		
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.