



Technical Data Sheet

# Spectral UNDER UV-SWIFT

UV primer

Spectral UNDER UV-SWIFT  
Spectral PLAST 775

## RELATED PRODUCTS

UV primer  
Elasticity increasing agent

## PROPERTIES

- Fast-dry UV-cured primer
- Cures instantly in 30 to 60 seconds
  - Ready to use
- Unlimited application life
- Excellent dry sandability

SUBSTRATES				
Old coatings	Degrease with Spectral EXTRA 785, dry sand with P220 to P360 grit paper, and degrease again.			
Polyester fillers UV putty	Dry sand, smooth with P240 to P320 to finish, and degrease with Spectral EXTRA 785.			
Cured epoxy primers	Sand with P320 and degrease with Spectral EXTRA 785.			
Steel	Degrease with Spectral EXTRA 785, dry sand with P120 grit paper, and degrease again.			
Galvanised steel	Degrease with Spectral EXTRA 785, dry sand with P120 grit paper, and degrease again.			
Aluminium	Degrease with Spectral EXTRA 785, dry sand with P280 to P360 or matt with abrasive needed cloth, and degrease again.			
OEM E-coated parts	Degrease with Spectral EXTRA 785, roughen with abrasive needled cloth and degrease again.			
Plastics	See EN_SI_Painting of plastics.			
MIXING RATIO				
The primer is ready to use. Do not dilute. Stir vigorously before each use.				
VISCOSITY				
	DIN 4/20°C	18+22 s		
VOC CONTENT				
VOC II/B/c limit*		540 g/l		
Actual VOC		400 g/l		
* For a ready for use mixture acc. to EU Directive 2004/42/CE				
APPLICATION CONDITIONS				
Apply the product at a temperature above 15°C and no more than 70% RH.				
APPLICATION				
	Conventional gravity fed spray gun	Nozzle	Pressure	Distance
		1.2 ÷ 1.4 mm	Follow the tool manufacturer's guidelines	
	Number of layers	1 or 0.5 + 1		
	Single layer DFT	Approx. 80 µm		

	Ready to use mixture yield for the specified DFT range:	4.5 m <sup>2</sup> /l at 120 µm
	Flash-off time between layers at 20°C Flash-off after the last layer (before UV curing) at 20°C	1 min* 5 min*
* The specified time may vary with temperature and/or relative humidity. It is good practice to leave each layer applied until it becomes matt in appearance (which is when the thinner has evaporated).		
<b>UV LAMP</b>		
All 395-400 nm UV lamps are suitable for curing. The curing time depends on the lamp output and its distance from the surface/workpiece. NOVOL recommends the Scangrip UV Gun lamp.		
<b>CURING TIME</b>		
	UV lamp to surface distance: 10-15 cm (Scangrip UV Gun)	30 s
WARNING: The curing time is specified for 100-140 µm DFT. It is recommended to cure no more than 1.5 of the specified layer. Recoat with the next layer as specified above after UV curing; do this in 8 hours, otherwise the coating will require roughing. Do not exceed the maximum overall layer DFT of 300 µm.		
<b>COATABILITY</b>		
Can be coated with all NOVOL topcoats.		
<b>SANDING</b>		
	Dry sanding	P360 - P500
	Wet sanding	P600 ÷ P1000
<b>Spectral PLAST 775 ELASTICITY INCREASING AGENT</b>		
To increase the elasticity of the coating on plastic parts or to increase the gravel resistance of the coat (i.e. on the front fascia and the bonnet), add 10% of Spectral PLAST 775.		
<b>COLOUR</b>		
Grey		
<b>EQUIPMENT CLEANING</b>		
Acrylic thinner or NC solvent.		
<b>STORAGE CONDITIONS</b>		
Store in containers which block UV light transmission, in a dry, cool room, away from sources of fire and heat. Avoid direct exposure to sunlight.		
<b>SHELF LIFE</b>		
UNDER UV-SWIFT	12 months/20°C	

<b>SAFETY</b>
See the Safety Data Sheet.
<b>IMPORTANT NOTES</b>
<p><b>Follow all the applicable safety instructions provided by the UV lamp manufacturer when operating it. Use PPE (safety glasses and protective garment) related to the UV lamp in operation.</b></p> <p>Stir vigorously before each use.</p> <p>The flash-off time specified time may vary with temperature and/or relative humidity. It is good practice to leave each layer applied until it becomes matt in appearance (which is when the thinner has evaporated).</p> <p>This product may cure in sunlight or artificial light. Keep away from light radiation during all stages of use.</p> <p>It is recommended to use NOVOL MIX &amp; SPRAY UV-light blocking paint cups.</p>
<b>OTHER INFORMATION</b>
<p>Index number: 000024104.</p> <p>The effectiveness of our systems results from research in the laboratory and many years of experience. The data contained in this document reflects the current knowledge about our products and their application potential. We can ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship principles. It is necessary to perform a test application of the product due to its potential for varying reactions with different materials. We cannot be held liable for defects if the final results are affected by factors beyond our control.</p>