

Technical Data Sheet

# **Spectral UNDER AQUA PRIME**

Two-component acrylic filler

Spectral UNDER AQUA PRIME  
Spectral AQUA PRIME  
HARDENER  
SA-R10

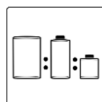
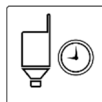
## **RELATED PRODUCTS**

Waterborne Primer 2K  
Waterborne Primer Hardener  
Reducer



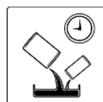



## **PROPERTIES**

- Universal acrylic filler
- Application without a necessity of sanding on original elements with cataphoretic coating
  - Can be used as a filler or wet on wet
    - Excellent dry machine sanding
      - Good insulating properties
        - Low VOC

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SUBSTRATES			
Old paint coatings, including thermoplastic coats		Degrease and dry sand with P220 ÷ P360.	
Polyester putties		Dry sand, finishing levelling with P240 ÷ P320.	
Epoxy primers		No sanding for up to 12 hours, sand with P320 afterwards.	
Steel		Degrease and dry sand with P120.	
Aluminium		Degrease and dry sand P280 ÷ P360 or mat with an abrasive finishing pad, degrease.	
Original elements with cataphoretic coating.		Degrease with Spectral EXTRA 785 Degreaser, no sanding is necessary.	
Galvanised steel		Degrease mat with an abrasive finishing pad, degrease.	
Wash primers		Apply when dry.	
Plastics		See instruction EN_SI_Painting of plastics.	
MIXING RATIO			
	Spectral UNDER AQUA PRIME  Spectral AQUA PRIME HARDENER  SA-R10 Reducer	Filling version	Wet on wet version
		Weight ratio	Weight ratio
		100	100
		15	15
	-	7÷11	
RECIPE PREPARATION			
Add hardener AQUA PRIME HARDENER and stir well approx. 1 min, then add SA-R10 Reducer and stir well again. In order to obtain a coat with appropriate parameters it is very important do exactly dose the individual components. In order to obtain correct spray viscosity it is very important do dose by weight the individual components. Apply the thinner in the amount calculated for the primer.			
VISCOSITY			
	DIN 4/20°C	The product is thixotropic. Viscosity is not measurable.	
VOC CONTENT			
VOC II/B/c limit*		540 g/l	
VOC actual, filling version		187 g/l	
VOC actual, wet on wet version		184 g/l	
* For ready to use mixture acc. to EU Directive 2004/42/CE.			
APPLICATION CONDITIONS			
It is recommended to apply the primer over 23°C and under a humidity of 60%. The coated surface temperature must exceed the dew point by at least 3°C. Provide proper ventilation to all coated surfaces during application and drying for the coating to cure properly.			

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APPLICATION							
	Traditional gravity spray gun	Filling version			Wet on wet version		
		Nozzle	Pressure	Distance	Nozzle	Pressure	Distance
		1.6÷1.8 mm	Follow the equipment manufacturer's guidelines*		1.3÷1.4 Mm	Follow the equipment manufacturer's guidelines*	
	No. of coats	1,5÷2			1		
	Single dry coat thickness	Filling version			Wet on wet version		
		50÷60 µm			20÷30 µm		
	Ready to use mixture yield for the given range of dry coat thickness	4,7 m²/l at 100 µm			18,6 m²/l at 25 µm		
	Mixture life at 20°C	90 min			120 min		
	Flash-off time between coats	10÷15 min with Venturi Nozzles			-		
CAUTION: * The best application is at a pressure approximately 20% higher than that recommended by the equipment manufacturer. Dry the first layer until fully matt and leave for 5 more minutes before applying the second layer of the primer. Forced air flow (Venturi nozzles are recommended) ensures effective flash-off for the first primer layer.							
CURING TIMES							
	20°C			60°C			
	16 hours			Not recommended			
CAUTION: The curing times are given for thickness 100÷120 µm dry coat and apply to the temperature of specific elements.							
COATABILITY							
Topcoat application time for 25 µm (wet on wet version).		20°C			40°C		
		20-30 min			10-15 min		
Coatable with Spectral Base 2.0, Spectral Wave 2.0, and Spectral 2K. The maximum application time for the next coat without matting is 7 days. After a minimum of 12 hours from the application, degrease the primer with the Extra 785 universal degreaser.							
IR DRYING							
	Not recommended.						

**SANDING**


Dry sanding

P360 ÷ P500



Wet sanding

P600 ÷ P1000

**EQUIPMENT CLEANING**

Pre-clean with water, clean thoroughly with a solvent (e.g. NC).

**STORAGE CONDITIONS**

 Store in a cool dry room, away from sources of fire and heat.  
 Avoid direct exposure to sunlight. Recommended storage temperature: +5°C to +40°C. Protect from freezing.

**SHELF LIFE**

Spectral UNDER AQUA PRIME

12 months/20°C

Spectral AQUA PRIME HARDENER

12 months/20°C

SA-R10 Reducer

24 months/20°C

**SAFETY**

See the Safety Data Sheet. Use appropriate personal protective equipment.

**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 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.

**Spectral UNDER AQUA PRIME FILLING VERSION 100:15 g**
**WEIGHT CONTENTS OF COMPONENTS:**

**CAUTION!** In order to obtain a primer with suitable parameters, it is very important to precisely dose the specific components.

Ready to use mixture amount	UNDER AQUA PRIME	AQUA PRIME HARDENER	SA-R10 Reducer
0,10 l	123 g	18 g	-
0,20 l	246 g	36 g	-
0,30 l	369 g	54 g	-
0,40 l	492 g	72 g	-
0,50 l	615 g	90 g	-
1,00 l	1230 g	180 g	-
2,00 l	2460 g	360 g	-

**Spectral UNDER AQUA PRIME WET ON WET VERSION 100:15 + 7 g**
**WEIGHT CONTENTS OF COMPONENTS:**

**CAUTION!** In order to obtain a primer with suitable parameters, it is very important to precisely dose the specific components.

Ready to use mixture amount	UNDER AQUA PRIME	AQUA PRIME HARDENER	SA-R10 Reducer
0,10 l	116 g	17 g	8 g
0,20 l	232 g	34 g	16 g
0,30 l	348 g	51 g	24 g
0,40 l	464 g	68 g	32 g
0,50 l	580 g	85 g	40 g
1,00 l	1160 g	170 g	80 g
2,00 l	2320 g	340 g	160 g