

# SPECTRAL

COLOR TECHNOLOGY

Technical Data Sheet

## Spectral BASE 2.0

Thinner base mixing system

### Spectral BASE 2.0

#### **Product symbol**

B-000 - B-710  
B-810 - B-828  
B-832 - B-834  
B-852  
B-910 - B-951  
B-980 - B-998  
B-P10 - B-P67  
B-X10 - B-X80  
C-00 - C-03, G-01  
C-844  
BD-01  
BD-02  
T-10 - T-11

#### **Product name**

Solid base pigments  
Aluminium pigments  
Aluminium colour pigments  
Aluminium pigments SPECIAL UTM  
Pearl pigments  
Multi-colour pearl pigments  
Special pearl pigments  
Xirallic® pigments  
Powder pigments  
Aluminium powder pigment  
Flop controller  
3CT system additive  
INK special pigments

### RELATED PRODUCTS

Spectral SOLV 885

Basecoat thinner

Standard, fast, slow, and extra slow

Spectral EXTRA 795



Fade out thinner



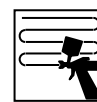

Spectral H6115/H6125

Hardener

### PROPERTIES

- High yield
- High hiding power
- Excellent drying
- Easy application and shading

SUBSTRATE PREPARATION				
SPECTRAL acrylic primers and SPECTRAL epoxy primers		<b>Filling or priming variant:</b> - dry power sand with: pre-sanding: P320-P360 finish: P400-P500 or grey abrasive needle cloth. - alternatively: wet sand by hand: pre-sanding: P600 finish: P800 Degrease with EXTRA 785. <b>Wet-on-wet variant:</b> - see the Technical Data Sheets for SPECTRAL primers		
Existing OEM finish		Dry power sand with P400-P500 or grey abrasive needle cloth. Thoroughly degrease with EXTRA 785.		
SPECTRAL GREY SYSTEM				
P1	P2	P3	P4	P5
Using the spectral grey system for substrates facilitates: - producing a substrate colour with optimum hiding power; - increasing the basecoat yield and better rendering of the colour. See the CarColor/N-Color program for the recommended spectral grey value. If this information is unavailable in CarColor/N-Color use the default P3 (grey) primer.				
RECIPE PREPARATION				
		Mix the components. Use the mixing rack for at least 10 minutes twice a day.		
<b>CAUTION:</b> Do not mix INK T-10/T-11 pigments with any pigments of the Spectral BASE 2.0 base system. Use with clearcoats only and strictly according to the CarColor/N-Color program recipes.				
APPLICATION CONDITIONS				
It is recommended to apply SPECTRAL BASE 2.0 at over 18°C and at humidity of 75% or lower.				
		Nozzle	Pressure	Spray gun adjustment (feed)
	Low-pressure spray gun or high-pressure gravity fed spray gun  Recommended: SATA jet 4000 low-pressure gravity fed HVLP spray gun			
	Full layer	1.3 mm	1.8 - 2.0 bar	2.5 turns
Drop layer	1.3 mm	1.4 - 1.5 bar	1 turn	

APPLICATION				
	METALLIC & PEARL COLOURS	SOLID (NO-EFFECT) COLOURS		
	Dosing in Spectral CarColor/N-Color Use SOLV 885	Dosing in Spectral CarColor/N-Color Use SOLV 885		
	Volume ratio	Volume ratio		
	100+70-80	100+70-80		
	DIN 4/20°C Depending on the colour: 14 ÷ 17 s	DIN 4/20°C Depending on the colour: 14 ÷ 17 s		
	Apply a test layer (to verify substrate preparation) at 30% of the full layer. Apply the individual layers – 1 or 2 – until the desired hiding power is achieved. Application with a recoating pause: use drying. Dry the hiding layers until matt. Application of a single drop layer - spraying distance: as for the hiding layer	Apply a test layer (to verify substrate preparation) at 30% of the full layer. Apply the individual layers – 1 or 2 – until the desired hiding power is achieved. Application with a recoating pause: use drying. Solid colours require no drop layers. Dry the layers until fully matt + 5 min before applying the clearcoat.		
	Dry coating thickness:	12 - 15 µm	20 - 25 µm	
APPLICATION OF 2CT (TWO-COAT) COLOURS				
<p>If 2CT (two-coat) colours are applied, it is <b>recommended</b> to add 10% of the H6115 or H6125 hardener per the quantity of pigment in the recipe before thinning.</p> <p>Adding the hardener will improve the quality performance of the coat, like the stone impact resistance and the adhesion and cohesion of the base coat, which is critical for refinishing and has special requirements, like premium-quality full-body refinishing of classic motor vehicles, coating of industrial components, etc.</p> <p>It is necessary to perform a test spray to verify the match of the colour and finish before the final application.</p>				
APPLICATION OF 3CT (THREE-COAT) COLOURS				
<p>If 3CT (three-coat) colours are applied, it is <b>necessary</b> to add 10% of the H6115 or H6125 hardener per the quantity of pigment in the recipe before thinning; this applies both to the first and second layers.</p> <p>For 3CT (three-coat) colours, the extra hardener improves the hardening of each system layer, ensuring proper adhesion and cohesion with better final hardness and appearance of the clearcoat.</p> <p>The produced colour effect depends directly on the clearcoat layer thickness. It is necessary to perform a test spray to verify the match of the colour and finish before the final application.</p>				
DRYING TIME				
<p>The drying time of Spectral BASE 2.0 depends on air temperature and humidity. High humidity and low temperatures prolong the drying time. Induced air circulation or higher temperatures will reduce the drying time.</p>				
SPECTRAL SOLV 885 BASECOAT THINNER				
Surface	20°C max	20-25°C	25-35°C	above 35°C

Small 1-2 elements Spot repair	SOLV 885 Fast	SOLV 885 Fast	SOLV 885 Standard	SOLV 885 Slow
Moderate 3-5 elements	SOLV 885 Fast	SOLV 885 Standard	SOLV 885 Slow	SOLV 885 Extra Slow
Large over 5 elements	SOLV 885 Standard	SOLV 885 Slow	SOLV 885 Slow	SOLV 885 Extra Slow

For colours with a coarse metallic grain, a slow or very slow thinner is recommended to improve the uniformity of the final effect (especially at high temperatures or when coating large surfaces, like engine bonnets).

**MIXTURE LIFE**



3 months/20°C  
(without the thinner)

**EQUIPMENT CLEANING**

Clean thoroughly with Spectral SOLV 855, Spectral SOLV 885 or an NC thinner.

**STORAGE CONDITIONS**

Store in a cool dry room, away from sources of fire and heat.

Avoid direct exposure to sunlight.

**SHELF LIFE**

Spectral BASE 2.0	36 months/20°C
C-00 to C-03	10 years/20°C
C-844	10 years/20°C
G-01	36 months/20°C
T-10/T-11	12 months/20°C
Spectral SOLV 885	24 months/20°C

**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.