



Technical Data Sheet

# **PREMIUM CSR CLEARCOAT 3:1**

Acrylic clearcoat





CLEARCOAT HARDENER  
THINNER

## **RELATED PRODUCTS**

Acrylic clearcoat hardener  
Acrylic and polyurethane thinner

## **PROPERTIES**



- A product designed and dedicated for renovation of classic cars
  - Innovative coating scratch resistance system (CSR)
    - Superb flowability
  - Long open time which allows for painting large areas (whole car)
    - Very high UV resistance
  - High solid particle content

SUBSTRATES					
Base layers Spectral BASE		Dry matt surface. Mat gently if necessary.			
Base layers Spectral WAVE		Dry matt surface. Mat gently if necessary.			
Compatible with the majority of solvent and waterborne basecoats available on the market.					
MIXING RATIO					
		HS version		MS version	
		Volume ratio	Weight ratio	Volume ratio	Weight ratio
	Premium CSR	3	100	3	100
	Hardener	1	35	1	35
	Thinner	10%	9	20%	18
VISCOSITY					
	DIN 4/20°C	17 - 19 s		15 - 17 s	
CONTENT OF VOLATILE ORGANIC COMPOUNDS					
VOC II/B/e limit*			840 g/l		
Actual VOC content			500 g/l		
* For ready to use mixture acc. to EU Directive 2004/42/CE					
APPLICATION CONDITIONS					
It is recommended to apply the clearcoat at a temperature above 15°C and a humidity of no more than 80 %.					
Under these conditions the cured coating can be used after a minimum of 20 hours.					
APPLICATION					
	Conventional gravity fed spray gun	Nozzle	Pressure	Distance	
		1.3 - 1.4 mm	2 - 4 bar	15 - 20 cm	
CAUTION: Instructions of the equipment manufacturer must be followed.	Low-pressure gravity fed spray gun	1.2 - 1.3 mm	2 bar	10 - 15 cm	
	Number of layers		HS version	MS version	
		1.5 - 2	2 - 3		
Single dry layer thickness		25 - 30 µm	20 - 25 µm		
The yield of the ready to use mixture for the given range of dry layer thickness		8.5 m <sup>2</sup> /l at 50 µm			
	Mixture life at 20°C	1 h			



# PREMIUM CSR CLEARCOAT 3:1

Technical Data Sheet  
17/07/2014

	Flash-off time between layers Flash-off after the last coating	10 - 15 min 20 min
<b>CURING TIMES</b>		
Temperature	20°C	60°C
Dust-free	35 min	5 min
Tack-free	4 h	10 min
Polishability (operating hardness)	14 h	45 min
Ending hardness	7 days	45 min + 3 days/20°C
CAUTION: Drying times apply to the temperatures of the individual elements. The cabin temperature shall be higher by approx. 10°C.		
<b>IR DRYING</b>		
	Distance  Time depending on the type and power of the lamp	Follow the recommendations of the equipment manufacturer  10 - 25 min
CAUTION: Start IR heating at least 20 min after applying the last layer.		
<b>EQUIPMENT CLEANING</b>		
THINNER acrylic and polyurethane thinner or NC solvent.		
<b>STORAGE CONDITIONS</b>		
Store in a cool, dry room away from sources of fire and heat. Avoid direct exposure to sunlight.		
<b>SHELF LIFE</b>		
PREMIUM CSR CLEARCOAT 3:1	24 months/20°C	
CLEARCOAT HARDENER	12 months/20°C	
<b>SAFETY</b>		
See the Safety Data Sheet.		
<b>OTHER INFORMATION</b>		
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.		



# PREMIUM CSR CLEARCOAT 3:1

Technical Data Sheet  
17/07/2014

ADDITIONAL INFORMATION			
<b>COMPONENT QUANTITY BY WEIGHT, HS VERSION:</b>			
<b>CAUTION!</b>			
In order to obtain a paint coating with appropriate parameters it is very important to precisely dose the individual components.			
Mixture quantity	PREMIUM CSR CLEARCOAT 3:1	CLEARCOAT HARDENER	THINNER
0.10 l	70 g	24 g	6 g
0.15 l	105 g	37 g	9 g
0.20 l	140 g	49 g	12 g
0.25 l	175 g	61 g	16 g
0.30 l	210 g	73 g	19 g
0.40 l	280 g	98 g	25 g
0.50 l	350 g	122 g	31 g
0.75 l	525 g	183 g	47 g
1.00 l	700 g	244 g	62 g

COMPONENT QUANTITY BY WEIGHT, MS VERSION:			
<b>CAUTION!</b>			
In order to obtain a paint coating with appropriate parameters it is very important to exactly dose the individual components.			
Mixture quantity	PREMIUM CSR CLEARCOAT 3:1	CLEARCOAT HARDENER	THINNER
0.10 l	65 g	23 g	12 g
0.15 l	98 g	34 g	17 g
0.20 l	131 g	46 g	23 g
0.25 l	164 g	57 g	29 g
0.30 l	196 g	69 g	35 g
0.40 l	262 g	91 g	46 g
0.50 l	327 g	114 g	58 g
0.75 l	491 g	171 g	87 g
1.00 l	654 g	228 g	116 g



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Technical Data Sheet  
17/07/2014