



PercoTop®

CS811

2K MS Helacryl Clearcoat

Features

- PercoTop® CS811 Helacryl Clearcoat is a special medium solids polyurethane clearcoat based on acrylic resins.
- Distinctive features of CS811 are its high flexibility and excellent adhesion to a number of metallic substrates and plastic substrates. This way, various materials can be protected without changing their original appearance.

Products

Base Paint

CS811 PercoTop® 2K MS Helacryl Clearcoat

Activators

CS710 PercoTop® Activator VHS Fast
 CS711 PercoTop® Activator VHS Standard
 CS712 PercoTop® Activator VHS Slow

Thinners

CS610 PercoTop® Thinner Fast
 CS620 PercoTop® Thinner Standard
 CS630 PercoTop® Thinner Slow

Also possible

CS704 PercoTop® Activator 3840
 CS600 PercoTop® Thinner Standard

Substrates

- Padded or engine-turned aluminium.
- Copper, nickel, silver and brass (pre-test recommended).
- Several types of plastics (pre-test recommended).
- Scuff-sanded old finish.

Surface preparation

Surface preparation

- Substrates must be free from all contaminants.
- Because of the variety of metal alloys and polymeric substrates, it is recommended to carry out a preliminary adhesion test. See data sheet "Metal Substrates - Treatment before Coating".

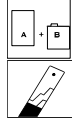


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



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Product preparation

	Mixing ratio CS811 CS710/CS711/CS712	Volume	Weight
		8 1	8 1
	Thinner CS610 CS620 CS630 Remarks: - Use CS610 on small objects at 15-25°C. - Use CS620 on medium sized objects at 20-25°C. - Use CS630 on large objects at 20-30°C.		
	Pot life at 20°C 6 hours		

Application

	Application viscosity DIN 4 mm at 20°C (s)	Thinner (%)	Spray nozzle (mm)	Pressure (bar)	Number of coats
 Gravity feed	22-26	30	1.3-1.5	1.5-3.0	2-3
 (High pressure spraying)					
 (Low pressure spraying)					
 Airless Airmix	30-35	0-5	0.23-0.28	2.0-3.0 air ca. 80-100 material	1
 Pressure pot Membrane pump (High pressure spraying)	22-26	10-15	1.1	2.5-3.5 air 1.0-2.0 material	1.5
 Electrostatic	According to the advice of the Technical Representative.				
Recommended dry film thickness	40-60 µm				

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Drying

Air drying at 20°C	60 µm dry film thickness
Dust dry	20 – 30 minutes
Dry for handling (transportable)	4 – 5 hours
Dry to assemble	16 hours

Forced drying	60° C object temperature
Flash-off	10 minutes
Drying temperature	60 minutes


IR drying	Medium wave: 15 – 20 minutes. Short wave: 10 – 15 minutes (at 50% power).
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Product data

	Solids	Density	Theoretical coverage (at 50 µm) (m ² /kg)	Theoretical material consumption (at 50 µm) (g/m ²)
	Weight (%) +/- 1	(kg/l) +/- 0.01		
Packaged	49	0.97	-	-
Mixed 8:1 with CS711 + 30% CS620	36	0.96	6.7	148
VOC - content: 2004/42/IIIB(e)(840)540	The EU limit value for this product (product category IIB.e) in ready to use form is max. 840 g/litre of VOC.			
	The VOC content of this product in ready to use form is max. 540 g/l.			

Remarks

Storage conditions	• Refer to the label of the original can.
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Note on safety:	
	This product is classified according to regulation (EC) 1272/2008 (CLP). Please consult the Safety Data Sheet. It is strongly recommended to use appropriate personal protection equipment during application.
	Observe the precautionary notices displayed on the container.



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Information

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Axalta cannot anticipate all variations in actual end-use conditions Axalta makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.

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