

## Product Information

### Product Description:

CC710 HS420 Clear Coat Performance is a two component, high quality Polyurethane Clear Coat designed to give excellent flow, distinctness of image (DOI), durability and high gloss finish. This clear coat is designed specifically applying over Industrial coatings (IC) Solvent Basecoat, Valspar Automotive Water Basecoat and VIM PU Topcoats. For coaches, commercial transportation and OEM and aftermarket repairs with excellent air- and force-dry capabilities.

### Preparation:

For more detailed information go-to TI-Substrate and Pre-treatment on Colour Retrieval System (CRS) or website [www.valsparindustrialmix.com](http://www.valsparindustrialmix.com).

### Substrates:

Surfaces coated with: TB500/510/520/TW518/TY518 Possible for wet on wet after first Phase drying (1–24 hours) depending on the topcoat use.  
Solvent Industrial Coating (IC) Basecoat, DeBeer WaterBase 900+ and Octoral OctoBase Eco plus. Basecoat should be fully dry till max 8 hours for clear coat respray.

Dry sanding: P320 – P400 before apply PU Topcoat  
P400 – P500 before apply Basecoat  
(Please, check and change abrasive paper regularly as required)

Scuffing: Scuff pad (grey or gold)

Wet sanding: P800

**Cleaning:** Surface must be dry and free from any contamination, e.g. oil, grease, release agents. Use AD690 Solvent Degreaser.

### Material Description: CC710

Application Method	Minimum DFT µm	Maximum DFT µm	Minimum WFT µm	Maximum WFT µm *
Spraying equipment (not-including airless/airmix)	50µm	70µm	70µm	100µm






\* Higher thicknesses possible if given extended drying times

### Physical properties:

Chemical base	Polyurethane
Density (kg/l)	0.992
Volume solids (%)	47.6%
Weight Solids (%)	54.4%
Flash point	36.0°C
Pot life (@20°C)	Approx. 60 minutes
Shelf life	Min. 24 month under normal storage conditions and unopened tins
Coverage (m <sup>2</sup> )	Approx. 14.0m <sup>2</sup> 40µm (DFT) (70% 10,0m <sup>2</sup> )
Gloss	High Gloss >90 GU/60°
Color	Transparent
Temperature Stability	Dry Heat up to 140°C
VOC (g/l)	Max. 420g/l (VOC: 2004/42/IIB(d)420g/l)
Processing temperature	+10°C till max. +40°C, max. Humidity 85%

### Application Data

	<b>Preparation/ Cleaning:</b>	<p><b>All surfaces must be properly sanded and cleaned</b></p> <p>Dry sanding: P320–P400 for Topcoat / P400–P500 for Basecoat Application                  Scuffing: Scuff pad (grey or gold)                  Wet sanding: P800</p> <p>Cleaning: AD690 Solvent Degreaser                  Surface must be dry and free from any contamination, e.g. oil, grease</p>	
	<b>Handling:</b>	<p><b>Before use/spraying:</b></p> <ol style="list-style-type: none"> <li>1. Add Activator and Reducer</li> <li>2. Stir this mixture well with a mixing stick or a (pneumatic) stirrer</li> </ol>	
	<b>Mixing ratio with Activator and Reducer:</b> (By volume)	<p>CC710 HS420 Clear Coat Performance                  AU576 HS Activator fast (air-dry-version) or                  AU575 HS Activator Medium                  RS603 Universal Reducer Fast or                  RS605 Universal Reducer Medium or                  RS607 Universal Reducer Slow or                  RS609 Universal Reducer Ultra Slow</p>	<p>3 parts 1 part  add 0 – 5%</p>
	<b>Mix stick:</b>	<p>Use the Mixing stick  <b>M2 3:1</b> (74-202 = 3:1/4:1) or  <b>M6 Universal cm-stick</b> (74-206 standard) / <b>M7</b> (74-207 large)</p>	
	<p><b>Viscosity:</b> 18 – 20 sec. (DIN4/20°C)</p>		
	<p><b>Gravity or Suction Feed:</b>                  Nozzle set                  Spray gun “High pressure”                  Spray gun “Reduce pressure”                  HVLP (Air cap pressure)                  Airless/Airmix                  Pressure Pot</p>	<p>1.2 – 1.4 mm (depends of the object size)                  3.0 – 4.5 bar (42 – 65 psi)                  1.5 – 2.5 bar (21 – 36 psi)                  0.7 bar (10 psi) maximum                  Not recommended                  1.0 – 1.2mm</p>	
	<p><b>Application:</b>  <b>Film Thickness:</b> (recommended 50 – 70µm)</p>	<p><b>Option 1:</b>                  ½ coat                  followed by 1 full coat                  50µm (DFT)</p>	<p><b>Option 2:</b>                  1 closed coat                  followed by 1 full coat                  50 – 70µm (DFT)</p>
	<p><b>Between coats at 20°C:</b>  <b>Before baking at 20°C:</b></p>	<p>5 minutes  5 minutes</p>	<p>10 – 15 minutes  5 minutes</p>
	<p><b>Clean up:</b> (Check the local regulations!)</p> <p>RS605/607/609 Universal Reducer or Gun cleaner (solvent)</p>		

	<p><b>Air-dry at 20°C:</b></p> <p><b>Force-dry:</b></p>	<p><b>Dust Free:</b> 45 – 60 minutes  <b>Dry to assembly:</b> 4 – 6 hours  <b>Dry:</b> 12 – 16 hours</p> <p>30 – 40 minutes 60°C object temperature</p>
	<p><b>IR-dry:</b></p>	<p>12 – 15 minutes                  (The panel must not exceed 90°C)</p>
	<p><b>Use suitable respiratory protection (air fed respirator is strongly recommended).</b></p>	
	<p><b>Polish:</b></p>	<p>Dust and minor imperfections can be polished out after the stated air-dry times have been reached, or after a full bake at 60°C object temperature, followed by a cool down of the object to ambient temperature. Before polishing, make sure the surface is well cured. Follow the instructions of the polish manufacture.</p>
	<p><b>Precautions:</b> During application all health and safety measures referring to the use and handling of coating materials are to be observed, e. g. existing regulations issued by the trade associations in the Chemical Industry. For Health and Safety information please refer the Material Safety Datasheet (MSDS). Information also available on our webpage: <a href="http://www.valsparindustrialmix.com">www.valsparindustrialmix.com</a></p> <p><b>Note:</b> The products listed are intended only for the professional user and for professional use. All recommendations given in writing on the use of our products to customers or users are not binding and do not give reasons for secondary obligations resulting from the bill of sale. Every care is taken to ensure that the technical information provided is accurate and up to date according to the present state of knowledge in science and our experience. These recommendations do not, however, exempt the customer from autonomously checking whether our products are suitable for the intend purpose. The durability of the coating system largely depends on the thorough preparation of the surface. Furthermore our uniform terms of delivery and payment are applicable.</p> <p>With the publication of this Technical Data Sheet all previous versions regarding this product are no longer valid.</p>	