**EMEAI** Valspar bv
Zuiveringweg 89
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www.valsparindustrialmix.com

CC700 PU Clear Coat High Gloss CC700 / UK

## Product Information

**Product Description:**
CC700 Clear Coat Anti-Graffiti is a two component Polyurethane Clear Coat designed to give excellent flow, distinctness of image (DOI), durability and graffiti resistance. CC700 is used for Industrial OEM and aftermarket repairs with excellent air and force-dry capabilities. CC700 creates a protective barrier against Graffiti.

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

**Substrates:**
Surfaces coated with Topcoat: TB500/510/520/TW518/TY518

Possible for wet on wet after first Phase drying (1 – 24 hours) depending on the topcoat use

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| Dry sanding: | P320 – P400 (Please, check and change abrasive paper regularly as required) |
| Scuffing: | Scuff pad (grey or gold) |
| Wet sanding: | P400 – P800 |

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

| **Material Description: CC700** | | | | |
|---|---|---|---|---|
| Application Method | Minimum DFT µm | Maximum DFT µm | Minimum WFT µm | Maximum WFT µm * |
| Spraying equipment (not-including airless/airmix) | 45µm | 60µm | 50µm | 80µm |

* Higher thicknesses possible if given extended drying times

**Physical properties:**

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| Chemical base | Polyurethane |
| Density (kg/l) | 1,051 (Binder) |
| Volume solids (%) | 37.0% |
| Weight Solids (%) | 55% |
| Flash point | 30.5°C |
| Pot life (+20°C) | Approx. 4 hours |
| Shelf life | Min. 12 month under normal storage conditions and unopened tins |
| Coverage (m²) | Approx. 9.5m² 40µm (DFT) |
| Gloss | High Gloss >90 GU/60° |
| Color | Transparent |
| Temperature Stability | Dry Heat up to 140°C |
| VOC (g/l) | Max. 520g/l see CRS (VOC: 2004/42/IIB(d)420g/l) |
| Processing temperature | +10°C till max. +40°C, max. Humidity 85% |

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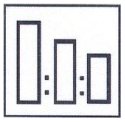
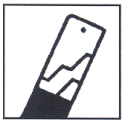
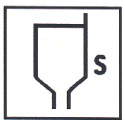
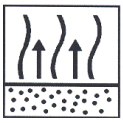
## Application Data

| | | | |
|---|---|---|---|
|   | **Preparation/ Cleaning:** | **All surfaces must be properly sanded and cleaned**<br>Dry sanding: P320 – P400<br>Scuffing: Scuff pad (grey or gold)<br>Wet sanding: P400 – P800<br><br>Cleaning: AD690 Solvent Degreaser<br>Surface must be dry and free from any contamination, e.g. oil, grease | |
|  | **Handling:** | **Before use/spraying:**<br>1. Mix mechanically (paint shaker/ mechanical stirrer)<br>2. Add Activator and Reducer<br>3**.** Stir this mixture well with a mixing stick or a (pneumatic) stirrer | |
|   | **Mixing ratio with Activator and Reducer:**<br>(By volume) | CC700 PU **Clearcoat**<br>AU570 PU Activator (for Clear Coat)<br>RS603 Universal Reducer Fast or<br>RS605 Universal Reducer Medium or<br>RS607 Universal Reducer Slow or<br>RS609 Universal Reducer Ultra Slow | 2 parts<br>1 part<br><br>add 10 – 20% |
| | **Mix stick:** | Use the Mixing stick<br>**M1 2:1** (74-201 = 1:1/2:1) or<br>**M6 Universal cm-stick** (74-206 standard) / **M7** (74-207 large) | |
| | **Faster process of drying:** | AA600 Accelerator | + 3 – 5% |
|  | **Viscosity:**<br>18 – 24 sec. (DIN4/20°C) | | |
|  | **Gravity or Suction Feed:**<br>Nozzle set<br>Spray gun “High pressure”<br>Spray gun “Reduce pressure”<br>HVLP (Air cap pressure)<br>Airless/Airmix<br>Pressure Pot | <br>1.3 – 1.5 mm<br>3.0 – 4.5 bar (42 – 65 psi)<br>1.5 – 2.5 bar (21 – 36 psi)<br>0.7 bar (10 psi) maximum<br>Not recommended<br>1.0 – 1.3mm | |
|  | **Application:**<br><br>**Film Thickness:**<br>(recommended 45 – 60µm) | **Option 1:**<br>½ coat<br>followed by 1 full coat<br>30 – 50µm (DFT) | **Option 2:**<br>1 full closed coat<br>followed by 1 full closed coat<br>40 – 60µm (DFT) |
|  | **Between coats at 20°C:**<br><br>**Before baking at 20°C:** | 5 minutes<br><br>10 minutes | 5 – 10 minutes<br><br>10 minutes |
|  | **Clean up:**<br>(Check the local regulations!) | RS605/607/609 Universal Reducer or<br>Gun cleaner (solvent) | |

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|---|---|---|---|
|  | **Air–dry at 20°C:** | **Dust Free:**<br>**Dry to assembly:**<br>**Dry:** | 45 – 60 minutes<br>6 – 8 hours<br>12 – 16 hours |
| | **Force–dry:** | | 30 – 40 minutes 60°C object temperature |
|  | **IR–dry:** | | 15 – 20 minutes<br>(The panel must not exceed 90°C) |
|  | **Use suitable respiratory protection (air fed respirator is strongly recommended).** | | |
|  | **Polish:** | 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.<br>Follow the instructions of the polish manufacture. | |
|  | **Precautions:** 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: www.valsparindustrialmix.com | | |
| | **Note:** 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. | | |
| | With the publication of this Technical Data Sheet all previous versions regarding this product are no longer valid. | | |