



# CROWN SHEEN

## PRODUCT CODE: CSH 1 & TCS Tint Bases

TECHNICAL DATA SHEET NO: C-7

DATE: APRIL 2011

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

|                              |  |  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|------------------------------|--|--|--|---------------------|---------------------|-------------------|------------|------------|-----------|------------------------------|--|--|------------|------------|-----------|
| Product Description          | A superior quality washable and durable acrylic PVA suitable for both interior and exterior surfaces.  |  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
| Intended Uses                | <ul style="list-style-type: none"><li>• Suitable for application to suitably primed new cement plaster, concrete, porous brickwork and various types of building boards.</li><li>• May also be applied to suitably primed wood, metals, fibre-cement and gypsum plaster.</li></ul>   |  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
| Features & Benefits          | <ul style="list-style-type: none"><li>• Good interior and exterior durability and low odour.</li><li>• Easy to clean with good scrub-ability.</li><li>• Good obliteration and excellent spreadability.</li><li>• Dries to a low sheen finish.</li></ul>  |  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
| Product Information          | Appearance   | Low sheen  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Colour   | White (CSH 1)  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Tint Bases   | Pastel (TCS 1000), Deep(TCS 2000) & Transparent (TCS 3000)   |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Generic type   | Modified acrylic emulsion  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Solids   | approx. 45 % by mass; 31 % by volume (typical for white)   |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | S G  | 1,27 (typical for white)   |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Recommended DFT  | Min: 20 µm Max: 35 µm  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Flash point  | Non-flammable  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Theoretical spreading rate   | 8m²/ℓ per coat at 30 µm DFT. This serves as a guide only   |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Practical spreading rate   | The practical spreading rate will vary depending on the porosity and profile of the substrate, as well as the application technique and tools used.  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
| Application Details          | Mixing   | Stir thoroughly with a flat paddle until homogeneous.  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Method   | Brush, roller or airless spray.  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Thinning   | Not recommended. Ready for use   |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Cleaning   | Water  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Substrate  | Thoroughly cleaned, suitably primed concrete, cement plaster, brickwork, building boards wood, metal, fibre-cement and gypsum plaster.   |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Application Environment  | <table><tr><td>Surface Temperature</td><td>Ambient Temperature</td><td>Relative Humidity</td></tr><tr><td>Min: 10 °C</td><td>Min: 10 °C</td><td>Min: 10 %</td></tr><tr><td colspan="3">or 2 °C min. above dew point</td></tr><tr><td>Max: 40 °C</td><td>Max: 40 °C</td><td>Max: 85 %</td></tr></table> |  | Surface Temperature | Ambient Temperature | Relative Humidity | Min: 10 °C | Min: 10 °C | Min: 10 % | or 2 °C min. above dew point |  |  | Max: 40 °C | Max: 40 °C | Max: 85 % |
| Surface Temperature          | Ambient Temperature  | Relative Humidity  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
| Min: 10 °C                   | Min: 10 °C   | Min: 10 %  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
| or 2 °C min. above dew point |  |  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
| Max: 40 °C                   | Max: 40 °C   | Max: 85 %  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              | Drying time  | Touch dry 30 min at 23 °C  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              |  | Dry to handle 1 h at 23 °C   |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
|                              |  | Overcoating 1 h at 23 °C   |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
| Storage & Packaging          | Store away from direct sun, heat and severe cold.<br>Packaging: 1 ℓ , 5 ℓ and 20 ℓ   |  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |
| Tint Bases                   | <ul style="list-style-type: none"><li>• The tint base containers are underfilled to levels which are specific for each tint base to allow for a calculated volume of colourants to be added. The volume indicated on the container is only achieved after the addition of all prescribed colourants as per the formulation.</li><li>• The tint bases and the colourants are unfinished or intermediate products which are not recommended for use by themselves. A finished product is only produced once the prescribed quantities of colourants have been thoroughly mixed with the tint base.</li><li>• When mixed to a finished product its technical features, product information, application and surface preparation details comply with that of CROWN SHEEN (CSH)</li><li>• Only colourants from the Plascon Inspired colour system are permitted for use when tinting.</li></ul> |  |  |                     |                     |                   |            |            |           |                              |  |  |            |            |           |



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| <b>Tinting Procedure</b>   | <ul style="list-style-type: none"><li>• Select the required colour and reference no. from the <b>PLASCON INSPIRED COLOUR</b> fandeck, other suitable fandecks or colour cards and locate the applicable formulation from the tables.</li><li>• Certain colour choices may require more than two coats to achieve full obliteration (see computer formulations for details in remarks column prior to tinting)</li><li>• Select the required tint base and volume for tinting and set the tinting machine to deliver the correct amount of colourants as per formulation.</li><li>• Inject all required colourants, close container and shake on mechanical shaker for 5 minutes.</li><li>• Note: <b>UNDER NO CIRCUMSTANCES MUST COLOURS BE TINTED FROM CROWN SHEEN WHITE (CSH 1)- USE ONLY THE PRESCRIBED TINT BASES</b></li></ul>  |
| <b>Surface Preparation</b> | <p>Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before</p> <p><b>1 NEW WORK</b></p> <p><b>1.1 Cement plaster, concrete and porous brickwork:</b><br/>Remove any loose particles and laitance by most suitable means and paint directly <b>N. B.</b> Soft underbound, friable and highly porous surfaces must be restored to a sound condition with <b>CROWN PLASTER PRIMER (CPP 1)</b>.</p> <p><b>1.2 Gypsum plaster (e.g. Rhinolite, Cretestone), brickwork stone work:</b><br/>Apply one coat of <b>CROWN PLASTER PRIMER (CPP 1)</b>. If a gypsum plaster has been used as the joint skimming filler on gypsum board or dry wall partitioning, then seal these areas with <b>CROWN PLASTER PRIMER (CPP 1)</b></p> <p><b>1.3 Fibre cement board:</b> prime with <b>PLASCON BONDING LIQUID (CVI 14)</b>.</p> <p><b>1.4 Wood:</b> Sand to a smooth finish and dust off. Seal knots and resinous areas with <b>WOODCARE KNOT SEAL (PK 2)</b>. Prime with <b>PLASCON WOOD PRIMER (UC 2)</b>.</p> <p><b>1.5 Mild Steel:</b> Degrease with <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> or <b>REMOVALL GREASE &amp; GRIME REMOVER (RCS 60)</b> and rinse thoroughly with water. Prime with <b>METALCARE MILD STEEL PRIMER (UC 501)</b> followed by <b>PLASCON UNIVERSAL UNDERCOAT (UC 1)</b></p> <p><b>1.6 Galvanised steel:</b> Clean with <b>METALCARE GALVANISED IRON CLEANER (GIC 1)</b> to achieve a water break-free surface. Rinse thoroughly with water. Prime the same day with <b>METALCARE GALVANISED IRON PRIMER (GIP 1)</b>.</p> <p><b>2. PREVIOUSLY PAINTED SURFACES</b></p> <p><b>2.1 Previously painted surfaces in sound condition:</b><br/>Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spot prime bare areas with appropriate primer. Clean down with <b>POLYCELL SUGAR SOAP POWDER</b> solution to remove all contaminants and chalked material. Rinse with clean water to remove all traces of sugar soap. Alternatively, clean with high pressure water jet. Sand glossy enamel surfaces to a matt finish and apply one coat of <b>CROWN PLASTER PRIMER (CPP 1)</b>.</p> <p><b>2.2 Previously painted surfaces in poor condition:</b><br/>Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping with the appropriate <b>REMOVALL COATING REMOVER</b>. Wash thoroughly with <b>POLYCELL SUGAR SOAP POWDER</b> solution. Rinse well with fresh water to remove all traces of the cleaning agents and debris. Ensure substrate is sound, not powdery or friable, prior to coating. Proceed as for new work.</p> <p><b>3. FILLING</b><br/>Fill all imperfections with a suitable <b>POLYCELL FILLER</b> and spot prime filled areas with <b>CROWN PLASTER PRIMER (CPP 1)</b>.</p> |
| <b>Application</b>         | <ul style="list-style-type: none"><li>• Apply two or three coats to new surfaces to achieve complete obliteration.</li></ul>  |
| <b>Cautions</b>            | <ul style="list-style-type: none"><li>• Avoid painting during inclement weather or if temperature is below 10 °C.</li><li>• To ensure that colours on a project are consistent check that batch numbers are the same.</li></ul>   |
| <b>Safety Precautions</b>  | <ul style="list-style-type: none"><li>• Always keep paint out of reach of children.</li><li>• Ensure good ventilation during application and drying.</li><li>• In case of skin contact, wash with soap and water or a recognised skin cleaner.</li><li>• Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist.</li><li>• Harmful if swallowed. Do not induce vomiting. Seek medical attention.</li><li>• Refer to Material Safety Data Sheet for complete information.</li></ul>   |



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**DISCLAIMER:**

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

**NB:** Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

**NB: TO ORDER:** Quote product name, product code number, packaging and colour.

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