



CROWN ROOF PAINT

PRODUCT CODE: CRP Range

TECHNICAL DATA SHEET NO: C-1-C

DATE: APRIL 2011

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	CROWN ROOF PAINT is a superior waterbased acrylic paint suitable for all cementitious and metal roofs. Its smooth matt finish delivers lasting colour, excellent adhesion and superior durability.														
Intended Uses	<ul style="list-style-type: none">• All new and previously painted cementitious and galvanised roofs.• Can be used on prepared cladding, galvanised garage doors, galvanised gutters and down pipes.														
Features & Benefits	<ul style="list-style-type: none">• Smooth matt finish.• Superior acrylic waterbased emulsion.• Durable• Weather resistant for lasting protection.• Excellent adhesion														
Product Information	Appearance	Matt													
	Colours	As per colour card													
	Solids	Approx. 25% by volume													
	S G at 23 °C	1,20 kg/ℓ (approx)													
	Viscosity at 23 °C	Approx. 105 KU													
	Flash point	Non Flammable													
	Theoretical spreading rate	7 m²/ℓ per coat @ 40 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 and occasionally during use.													
	Method	Brush, roller or airless spray.													
	Thinning	Not recommended.. Ready for use													
	Cleaning	Water													
	Substrate	Well prepared galvanised steel, Granular cement tiles, fibre-cement sheets, through-colour roof tiles, zinc alum and Aluzinc.													
	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: 5 °C</td><td>Min: 10%</td></tr><tr><td colspan="3">Or 2 °C min. above dew point</td></tr><tr><td>Max: 50 °C</td><td>Max: 40 °C</td><td>Max: 85 %</td></tr></table>		Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 5 °C	Min: 10%	Or 2 °C min. above dew point			Max: 50 °C	Max: 40 °C	Max: 85 %
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Min: 10 °C	Min: 5 °C	Min: 10%													
Or 2 °C min. above dew point															
Max: 50 °C	Max: 40 °C	Max: 85 %													
	Drying time	Touch dry 30 min at 23 °C													
		Dry to handle 1 h at 23 °C													
		Overcoating 2 h at 23 °C													
	Practical spreading rate (per coat)	<table><tr><td>Cement and fibre cement sheeting</td><td>5-6 m²/ℓ (Typical)</td></tr><tr><td>Galvanised iron</td><td>7 m²/ℓ (Typical)</td></tr><tr><td>Granular cement tiles</td><td>1.5 - 3 m²/ℓ (Typical)</td></tr></table>		Cement and fibre cement sheeting	5-6 m²/ℓ (Typical)	Galvanised iron	7 m²/ℓ (Typical)	Granular cement tiles	1.5 - 3 m²/ℓ (Typical)						
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Storage & Packaging	Store away from direct sun, heat and severe cold. Packaging: 5 l and 20 l.
Surface Preparation	<p>Surfaces must be clean, firm (sound) and thoroughly dry before painting. Remove any fungal growth or algae with household bleach (3, 5% solution of sodium hypochlorite) thinned 2 parts bleach to 1 part water by volume. Leave on surface for approximately 1 hr and then scrub with a hard bristle brush to remove all dead growth. Rinse thoroughly with fresh water. Allow to dry. Repair leaks and defective flashing with PLASCON ROOFSEAL MEMBRANE (WRM 1)</p> <p>1. GALVANISED IRON:</p> <p>1.1 New: Remove fabricators pre-treatment oil, grease and any other contaminants with METALCARE GALVANISED IRON CLEANER (GIC 1). Hose and scrub down with a hard bristle brush and fresh water and repeat cleaning process until a water break-free surface is obtained. Prime with METALCARE GALVANISED IRON PRIMER (GIP 1).</p> <p>1.2 Unpainted and weathered: Remove oil, grease, white rust or any other contaminants with GALVANISED IRON CLEANER (GIC 1) to achieve a water break-free surface. Rinse thoroughly with fresh water. Then prime with GALVANISED IRON PRIMER (GIP 1). Areas showing red rust must be abraded back to bright metal, patch primed with PLASCOSAFE 18 PRIMER (EMS 18) and then the whole surface primed with GALVANISED IRON PRIMER (GIP 1).</p> <p>1.3 Previously painted and weathered: Clean with high-pressure water jet to remove all loose paint, chalk and dirt. Alternatively, clean with wire brushing, scraping, sanding, etc. and then scrub down with hard bristle brush and water. Treat any bare areas as in 1.2 above.</p> <p>2 FIBRE-CEMENT SHEETING:</p> <p>2.1 Unpainted and weathered: Remove dust, dirt, loose granules, friable and powdery material with high-pressure water jet or alternatively scrub down with a hard bristle or wire brush and water. Allow surface to dry. Prime with BONDING LIQUID (CVI 14) refer to technical data sheet for method of application. Allow to dry for at least 4 hrs @ 23°C</p> <p>2.2 Previously painted in good condition: Remove dust, dirt, loose granules, friable and powdery material with high-pressure water jet or alternatively scrub down with a hard bristle or wire brush and water. Allow surface to dry.</p> <p>2.3 Previously painted in poor condition: Strip completely. Restore powdery and friable surfaces to a sound condition before painting by applying BONDING LIQUID (CVI 14) (refer to technical data sheet for application details). Allow to dry for at least 4 hrs @ 23°C. Apply CROWN ROOF PAINT (CRP RANGE) within 48 hrs.</p> <p>3 CEMENT TILES AND GRANULAR TILES:</p> <p>3.1 Unpainted and weathered: Remove dust, dirt, loose granules, friable and powdery material with high-pressure water jet or alternatively scrub down with a hard bristle wire brush and water. Allow surface to dry. Prime with BONDING LIQUID (CVI 14) refer to technical data sheet for application details. Allow to dry for at least 4 hrs @ 23 °C. Apply CROWN ROOF PAINT (CRP RANGE) within 48hrs.</p> <p>3.2 Previously painted in good condition: Remove dust, dirt, loose granules, friable and powdery material with high-pressure water jet or alternatively scrub down with a hard bristle or wire brush and water. Allow surface to dry.</p> <p>3.3 Previously painted in poor condition: Strip completely. Restore powdery and friable surfaces to a sound condition before painting by applying BONDING LIQUID (CVI 14) (refer to technical data sheet for application details). Allow to dry for at least 4 hrs @ 23°C. Apply CROWN ROOF PAINT (CRP RANGE) within 48 hrs.</p> <p>4 ZINC ALUM AND ALUZINC: Clean surface thoroughly with POLYCELL SUGAR SOAP POWDER solution. Allow to dry. Prime with PLASCOSAFE 18 PRIMER (EMS 18)</p> <p>5 SPECIAL CAUTION TILES:</p> <p>5.1 The painting of clay, slurry coated tiles, slate and wooden shingles is NOT RECOMMENDED.</p> <p>5.2 Extremely porous surfaces-unpainted cement and well-weathered tiles: Remove dust, dirt, loose granules, friable and powdery material with a high-pressure water jet or scrubbing with a hard bristle or wire brush and water. Allow surface to dry. Apply undiluted BONDING LIQUID (CVI 14) (refer to technical data sheet for application details). Allow to dry for at least 4 hrs @ 23°C before applying CROWN ROOF PAINT (CRP RANGE). Overcoat before contamination of the surface can take place.</p>



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Application	<ul style="list-style-type: none">• Stir thoroughly with a flat paddle.• Apply by brush, roller or airless spray.• CROWN ROOF PAINT (CRP RANGE) must be applied undiluted.• For non-porous surfaces, such as galvanised iron, apply two coats to achieve a minimum dry film thickness of 30 um per coat.• Allow at least 2 hour drying time between coats.• NB: When painting corrugated sheet roofs, start at the apex and work downwards completing a full sheet at a time joining in the valleys to avoid lap marks.
Cautions	<ul style="list-style-type: none">• Friable and powdery surfaces require special care before painting- if in doubt contact Plascon Advisory service 0860 20 40 60• For health reasons, avoid dusting when preparing fibre-cement surfaces. Keep surfaces wet and wash off residues with water.• The painting of slate, clay, slurry tiles and wooden shingles is not recommended.• Do not apply to surfaces where the temperature is less than 10 °C.• Do not paint under conditions of frost, dew, rain or fog or inclement weather. Note: Painting under the above conditions may affect the performance of the paint film.• To ensure that colours on a project are consistent, check that batch numbers are the same.
Safety Precautions	<ul style="list-style-type: none">• Keep out of reach of children.• Ensure good ventilation during application and drying.• Do not pour paint down the drain.• In case of skin contact, wash with soap and water or a recognised skin cleaner.• Avoid contact with eyes. In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist.• Harmful if swallowed, do not induce vomiting. Seek medical attention.• Refer to Material Safety Data Sheet for complete information.

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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