

TECHNICAL DATA SHEET

X SERIES CPM – Cross Linking Copolymer Membrane

DESCRIPTION: X SERIES CPM features a UV-curable and cross-linking component activated when the film surface is exposed to sunlight, enhancing its durability and performance. This cross-linking capability also serves as a self repairing mechanism, making this product particularly well-suited for roof coatings. This waterproofing membrane offers excellent anti-carbonation properties, strong adhesion to various substrates, and serves effectively as a metal roof primer with exceptional dirt resistance, while also allowing water vapor permeability. Additionally, its anti-corrosive properties provide further protection against environmental degradation. Moreover, its water washup feature adds convenience to the application process.

RECOMMENDED USE: Its remarkable flexibility ensures durability and resilience and boasts fast drying properties and offers excellent adhesion to a wide range of substrates such as:

- Corrugated Iron / Metal Roofs
- TPO, TPE, Torch on, Bitumen Membranes
- ACM (Asbestos) encapsulation system (only when used with Shieldseal AES)
- Concrete Tile
- Internal Gutters and Valleys
- Trafficable (only when overcoated with Shieldseal Stepsafe non slip)

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PREPARATION PROCESS:

1. Where necessary, remove all grease, oil, silicone and other potential contaminants using a suitable degreaser (especially important where the substrate is new, or near extractors/vents)
2. Remove all mold, algae, mildew, grime and other contaminants with Shieldcoat Mossy, Waterblast roof with 3500 - 4000psi minimum flow rate of 15 lpm.
3. Where heavy rust and scale is present, use a wire brush and or sand to remove debris. Apply 1 coat of suitable rust converter such as Shieldcoat Rusty over the affected areas.

All preparation should meet AUS/NZ standards 2311:2017

APPLICATION PROCESS: Apply 1-2 coats of **X SERIES CPM** using a 525-527 tip. Compatible with all topcoats.

APPLICATION DETAILS / GUIDE:

Application method: Airless spray / Brush / Roller

Thinner: Not recommended (use Shieldcoat Hot Weather Additive sparingly)

Airless Tip Size: 525 - 527

Airless Gun Filter: 30 Mesh

Airless Manifold Filter: 30 Mesh

Clean up: Generally water clean up will suffice.

Ensure you flush your airless with gunwash at the end of each day.

Indicated film thickness: 320 microns (WFT) per coat

Indicated film thickness: 198 microns (DFT) per coat

Application: Apply 2 coats minimum

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TYPICAL PROPERTIES:

Colour: Light Grey, Mid Grey, Charcoal, Ebony (Some custom colours available)

Finish: Satin

Size: 20 Ltr

Volume solids: 50% average**

Theoretical spreading rate: 2-3m²/ltr

Application surface temperature: 10°C to 40°C

Touch Dry: 60 minutes*

Recoat: 4-6 hours*

Full Cure: 10-14 days*

Drinking Water Safe: After 10 days* curing and initial rinse (rain or garden hose pressure).

Shelf life: 24 Month

**All figures are quoted at 25° Celsius and 50% Relative Humidity*

Solid content, weight % : 62 ± 1

Minimum Viscosity at 30°C

Brookfield RVT, 2 /20, Ps : 2 – 10

pH (1:1 with water) : 5.5 – 7

Bleed blocking: To achieve bleed blocking, apply 1 coat and allow 48 hour cure to encapsulate any potential bleed through.

Compatibility: Compatible with all Roofbond topcoats, allow CPM to UV cure for 5 days prior to topcoat.

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HEALTH AND SAFETY:

Contact The Poisons Information Center on Phone: 0800 764 766 or a doctor.

Ingestion: Do not induce vomiting. Give water to drink. Seek medical assistance.

Eye Contact: Flush eyes using eye baths until irritation subsides. Seek medical assistance.

Inhalation: Remove to fresh air. Seek medical assistance

Skin Contact: Wash thoroughly with soap and water. Launder clothing before reuse. Seek medical assistance if irritations persist.

Medical attention: Treat symptomatically.

First Aid Facilities: Eye Baths, safety showers.

RECOMMENDATIONS AND PRECAUTIONS:

Ensure that appropriate workplace health and safety methods and PPE are used when working with this product.

Ventilation: Ensure adequate ventilation when using this product.

Drinking water: When drinking water collection systems are in place, Shieldcoat recommends disconnecting the system prior to commencing work, then allowing 10 days of curing and a thorough fresh water rinse (rain or garden hose pressure) before reconnecting the system. Ensure that this product is applied in full accordance with Shieldcoat Recommendations.

Care and Maintenance: Protect the coating from abrasive contact for 10 days. Wash down periodically with a mild detergent solution to refresh and preserve the coating.

MSDS: Available on request or download from the Shieldcoat website. www.shieldcoat.co.nz

DISCLAIMER: Shieldcoat advises that the applicator of this product is responsible to determine and verify its suitability for the intended use prior to application. The data and recommendations contained within this document were true and accurate at the time of writing.