



PRODUCT NAME: CRC 1120 Cool Roof

DESCRIPTION

The **CRC 1120 Cool Roof** system is a family of water-based polyurethane, fluid applied seamless elastomeric waterproofing membranes which have an exceptional bulk water resistance while allowing suitable water vapor transmission.

BASIC USES

CRC 1120 Cool Roof is used as a brush, roller or spray applied seamless, self-flashing membrane system over virtually any substrate to restore, protect and waterproof.

MAJOR ADVANTAGES

- Water-based, non-toxic, low odor and non-flammable.
- Ultra-violet resistant with low temperature flexibility.
- No peeling, fading, or cracking.
- Elastomeric - expands and contracts with temperature fluctuations.
- Bonds tenaciously to Bituminous and Asphaltic Coatings, Urethane and Polystyrene Foam, Concrete, Steel, and Wood.
- Safe and easy application, water clean-up.

TECHNICAL AND PRODUCT DATA

Solids by volume	51%	No. of Components	One
Viscosity		Flash Point	None
Initial	90 Krebs		
4 weeks	92 Krebs	Reducer/Cleaner	Water
Dry time to:		Shelf Life	1 year unopened
touch	2 to 3 hours	Weight	1.45 kg/L (12.1 lbs./gal)
re-coat	4 to 8 hours	Application Temperature	Min. 5°C (40°F)
full cure	24 hours per coat	Recommended Coating Thickness	Min.10 mil DFT
Tensile strength	1.2 MPa (170 psi)	Packaging	20L pails & 200L Drums (5 gal. & 55 gal. Drums)
Elongation at:		Colours	Black, Grey, White
maximum stress	225%		
at break	330%	Dirt pick-up resistant	Excellent
Recover after:		Ultra-Violet resistant	Excellent
25% elongation	60%	Thermal shock resistant	Excellent
Flexibility at:			
-26°C (-15°F)			
300 hours weatherometer	pass 180 1/8"		
1-year exterior	pass 180 1/8"		
Crack bridging at:			
40°C (104°F)	No cracking		
-26°C (-15°F)	No cracking		
Adhesion to Polyurethane Foam	dry 4.8 lb./in Cohesive failure		
Permeability	5 perms		
Film Swelling	10-17%		

DO NOT ALLOW TO FREEZE**APPLICATION INSTRUCTIONS**

Refer to manufacturer's Application Procedures and Specifications for each specific substrate for detailed application instructions. Correct surface preparation is of the utmost importance. All surfaces must be sound, dry, clean and free of oil, grease or any other contaminants. Obvious damaged areas must be repaired before application of coatings. **CRC 1120 Cool Roof** will withstand ponding water for up to 30 day.

EXTERIOR WALLS

SURFACE PREPARATION: If existing coating is well bonded but chalking, apply one coat of **CRC 1120 Cool Roof** at the maximum rate of 7.37m²/Litre (300 ft²/US gal).

Brush, roller (heavy nap) or airless spray one coat at a rate of 1.46m²/L (60 ft²/US gal). Allow to dry for a minimum of 4 hours. If second coat is specified, or surface is porous, apply second coat of **CRC 1120 Cool Roof** at a maximum rate of 2.45m²/L (100 ft²/US gal).

PARAPETS: All parapets should be treated exactly like the walls. All cracks must be repaired first, followed by the primer coat and then the wall coat. Ensure the entire cap area is encapsulated with the **CRC 1120 Cool Roof** at a maximum rate of 2.45m²/L (100 ft²/US gal).

IMPORTANT - Do not apply the **CRC 1120 Cool Roof** coatings under any of the following conditions:

- the temperature is below 4°C (40°F).
- the temperature will drop below 0°C (32°F) within 12 hours of installation.
- rain is imminent.
- dew will settle on coatings before they are dry.

SAFETY

Please refer to SDS at crccoatings.com. If swallowed, see a physician immediately. Keep out of reach of children.

WARRANTY DISCLAIMER

The information herein is to assist customers in determining whether our products are suitable for their application. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to the contents and suitability. We warrant that our products will meet our written specifications. Nothing herein shall constitute a warranty expressed or implied, including any warranty of merchantability or fitness, nor is protection from any loss or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.

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