

CoolRoofs

DESCRIPTION:	<p>Berger CoolRoofs is a high performance water- borne environment friendly elastomeric coating based on 100% acrylic binder and hi-tech heat insulating aggregates. It possesses outstanding durability and provides high degree heat insulation properties. CoolRoofs has -</p> <ul style="list-style-type: none">• Excellent heat insulating capability• High flexibility and toughness• Ability to cover hair-line cracks• High water ponding resistance
SCOPE:	<p>Suitable to apply on both interior and exterior surfaces. CoolRoofs can be applied over a variety of substrates i.e. concrete, brick, sand cement plaster, wood, suitably primed metals (Steel, Galvanised, Aluminium), exterior walls, concrete roofs or metal sheet cladding of warehouse or porta-cabin made of plywood etc. CoolRoofs reflects, retracts and dissipates solar heat, as a result heat ingress into the services reduces to a large extent.</p> <p>Apply minimum at 400 Microns DFT to achieve best Thermal Insulation property. Thereby air conditioning cost can be reduced by 50%</p>
COMPOSITION:	<p>Pure Acrylic emulsion with hi-tech heat insulating aggregates.</p>
FINISH:	<p>Matt</p>
COLOUR:	<p>White</p>
DRYING TIME:	<p>Touch Dry – 1 Hour @ 200μ dft Overcoating Interval – Minimum 16 Hours Checked at 25°C and relative humidity not more than 75%. Do not apply this product if the relative humidity exceeds 95% or if the substrate temperature is within 3°C of the dew point.</p>
SPECIFIC GRAVITY:	<p>0.83 \pm 0.05 Kgs/L</p>
% VOLUME SOLIDS:	<p>58 \pm 2%</p>
SPREAD RATE:	<p>3 m² /Litre per coat to achieve 200μ dft per coat. Apply two coats to achieve 400μ dft.</p>
THINNER:	<p>Product to be applied as such without any addition of water. However maximum of 5% water could be added depending on surface condition for ease of application.</p>
CLEAN UP:	<p>A detergent solution can be used for ease of machine cleaning.</p>
FLASH POINT:	<p>Not applicable (Water based product)</p>

PACK SIZE: 2.5 Litres, 5 Litres & 10 Litres

APPLICATION: **Brush / Roller** – Apply an even coat avoiding runs & sags
Airless Spray – Tip size: 0.021" to 0.027" / Tip pressure: 1600 – 1900 psi
Multiple coats are recommended to achieve recommended film thickness mainly when applying by brush or roller. Recommended, two coats to build up dry film thickness of 400µ (200 µ per coat).

SURFACE PREPARATION: Concrete, Plaster
Ensure surface is clean, dry and free from all contaminants. Surface must be sound and free from laitance. Remove laitance by wire brush or sweep blast. Fungus affected areas must be treated with Berger Antimoffa Solution and allow to dry before painting. Apply 1 coat of Brolac Stabilising Solution.
Timber
Ensure surface is clean, dry and free from all contaminants. Wood may be treated further with Wood Preservative. Apply 1 coat of Brolac Undercoat or Brolac Wood Primer.
Steel or other metals
Surface must be cleaned mechanically or blast cleaned. Apply suitable primer from Berger range of products according to the degree of cleaning and types of metal substrates used.

SPECIAL NOTE: Since CoolRoofs is an elastomeric coating, hence, whilst checking Dry Film Thickness, the pressure of the probe may cause indentation of the surface and so give a low reading. In this case, place a plastic shim (above 150µ) on top of the surface and subtract the shim thickness from any subsequent readings. **Since CoolRoofs is very fast drying, the can should be kept closed at all times during application.**

STORAGE: Store in cool, dry condition away from direct sunlight.

DISPOSAL: Dispose as normal paint. In case of doubt, consult local authority.
Do not empty into drains, sewers or other watercourses.

SHELF LIFE: 1 Year

SAFETY PRECAUTIONS: Ensure adequate ventilation in confined areas where the product is being applied. Do not breath vapour or spray
Avoid contact with skin and eyes. Wear suitable protective equipments such as overalls, goggles, dust mask and gloves. Use barrier cream for hands.

FIRST AID	EYES	In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.
	SKIN	Wash skin thoroughly with soap and water or approved industrial cleaner. DO NOT USE solvent or thinners.
	INGESTION	In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

DISCLAIMER:

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.



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