

CRES[®]THERM AC is a single component coating with high solar reflectance that keeps roofs cooler in high hot weather conditions as protective coating for thermal shocks. Tough and seamless membrane resists many harsh chemicals and bridges airline cracks. It provides UV protection & display excellent dirt pick-up resistance and retain their flexibility long after aging. **CRES[®]THERM AC** formulated for Cool Roof Coating (CRC) on existing or new roofs.

ADVANTAGES

- Reduce the energy required for interior cooling.
- Reduce thermal stresses on the roof, hence improving system lifetimes.
- Reduce running and maintenance costs.
- High heat insulation and reduces thermal conductance.
- Protects exposed substrate against carbonation and ingress of atmospheric gases and salts.
- Excellent UV resistance and dirt pick-up and resistance to blistering.
- Non-toxic, washable and environment friendly.

USES

- Sloped Substrate, metal profile roofs & asbestos roofs, top coats for combo roof, PU foams.
- Roofs, terraces, balconies, domes.
- Sandwich panels, corrugated sheets.
- Over coating on minerals surface.

SURFACE PREPARATION

All the surfaces must be cleaned and made free of dust, dirt, moss, oil, grease and other loose particles. This can be achieved by grit/sand/shot blasting. As a minimum, vigorous wire brushing should be employed. All pot holes and surface defects shall be treated with a suitable range of CRES[®] products.

PRIMING

CRES[®]THERM AC does not require priming and can directly be applied onto the surface. In case of highly porous surface, a priming coat is recommended to seal the pores and stabilize the surface. The primer coat can be produced on site by diluting **CRES[®]THERM AC** 1 to 1 with water. Apply the primer coat @ 5m²/L and allow to dry.



TECHNICAL PROPERTIES

Description	Value	Standard
Colour	White	-
UV Resistance @1000 hrs	Pass	ASTM G156
Solid content, %	63 (±2)	ASTM D6083
Specific gravity, @25°C	1.25 (±0.05)	ASTM D1475
Solar Reflectance (%)	>85 (white)	ASTM C1549
Thermal Emittance	0.8 (White)	ASTM C 1371
Solar Reflective Index (SRI)	>90 (White)	ASTM E 1980
Volatile organic contents g/l	<10	-
Application Temp @°C	5 to 50	-
Service Temp @°C	-5 to 80	-

All values given are subject to 5-10% tolerance.

APPLICATION

Once stirred, **CRES[®]THERM AC** should be immediately applied either by brush, roller or industrial sprayer. It is recommended that coating be applied in a minimum of two coats. Should not be applied if relative humidity exceeds 95%. Each subsequent coat shall be applied only after the previous coat dries off completely. After application the coating must be back rolled to reduce surface irregularities and improve bonding.

COVERAGE

1.2 to 1.4 kg/m² for 0.5mm DFT. minimum recommended thickness is 1mm DFT and can be achieved in two coats.

PACKING

CRES[®]THERM AC supplied in 20 kg pail.

CLEANING & DISPOSAL

Clean all equipment & tools using fresh water & flush mineral spirits through spray equipment to prevent rusting. All disposal practices must be in compliance with all local laws and regulations.

STORAGE &SHELF LIFE

The pails and drums must be stored in a covered area, away from direct sunlight, UV and other sources of heat. The shelf life of the product is up to 12 months if stored as per recommendations. Excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

HEALTH AND SAFETY

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles shall be worn. Treat any splashes to the skin or eyes immediately with fresh water should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.