



# COOLON™

C O O L R O O F C O A T I N G



ROOF EXPERTS  
SINCE 1967

COOLON™ is an Eco-friendly Nanotechnology Aerogel Enriched Acrylic-based Cool Roof paint/ Coating for Indoors & outdoors containing high-grade acrylic binder with highly reflective ingredients to reflect UV & IR rays. The product works as a heat-insulating and heat-reflecting, elastomeric, waterproof, anti-algae and contributes to optimizing the energy efficiency of buildings. COOLON™- Passive Cooling Technology High Albedo Coating utilizes aerogel, the world's best insulating material, to deliver ultra low thermal conductivity in a liquid applied coating. It considerably improves heat insulation and permits energy saving, drastically cutting the costs associated with the use of air conditioning during the summer with its dual reflecting and insulating effects.

**Total Solar Reflectance - SRI > 100%**

Test certified by TUV, Singapore and Conforms to ECBC / LEED / IGBC Roofing standards.

**CRACK FILL | WATERPROOF | THERMAL BARRIER**

Helpline : 8056-345678 • web: [www.insulla.com](http://www.insulla.com)

# THE MAGIC OF AEROGEL TECHNOLOGY

Aerogel is a material that is 98.2% of air in which spherical particles of average size (2-5nm). Aerogel has porous solid network that contains air pockets, with the air pockets taking up the majority of space within the material. Aerogel are good in the material insulators because they almost nullify two of the three methods of heat transfers (Convection, Conduction, Radiation). Aerogel are good conductive insulators because they are composed almost entirely of gases, which are very poor heat conductors.



## KEY CHARACTERISTICS

- Intensively blocking solar heat with the double-barreled effect of reflection and heat insulation.
- COOLON™- Roof Insulation two part system acts as an All in One Solution with the excellent property of Crack/ Joint Filling, Waterproofing and Thermal Barrier Exterior Protective Coating.
- Reflecting the intense solar heat. The infrared High Solar reflectivity is over 100% - SRI
- Reduction of roof heat about 5° C to 20° C
- Save over 20-30% of your energy / electricity costs with the Nano Aerogel technology
- Cost effective, with long-term savings and short payback period
- Excellent adhesion capabilities to all surfaces
- Naturally Fungi retardant
- An aggressive scrubbing endurance; paint is hardy and extremely durable, self cleaning and maintenance Free
- Non-toxic: great for the families, the applicators and the environment
- Assists in inhibiting rust, corrosion and thermal expansion, ensuring durability

## WHERE TO USE COOLON™ COATING?

**COOLON™ - Heat installation coating must be the choice in the application areas like:**

- Flat Roof, Sloping Roof, Exterior & Interior Wall, Parapet Walls, Walkways, Metal Sheets, Capping Fasteners, Sheet Joints, Gutters, Drains, Polycarbonate Sheets, Water Tanks, Bathrooms, and Ac Sheets, etc.,
- For green building as its application gives required credit points.
- In poultry and live stock sheds for reducing heat stress.
- Malls, Schools, Hospitals for providing better work environment
- In Industrial Houses, Villas and Office Buildings by reducing cost of air conditioning.
- For Cold Storage and Air Conditioned Buildings.