



ADHERE BONDS
The Versatile Construction Chemicals

ADHERE BONDS - COOL

Heat Insulation Weather Shield & Water Proofing

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Heat shield is a heat reducing & Energy saving elastomeric coating composed of acrylic Emulsion polymers, properly selected & graded fillers, light fast & weather durable white pigments, additives & water as medium. It is used as a heat insulating coating on building rooftops & exterior walls because it helps in reducing power consumption substantially by reducing the load on air-conditioners & keep the interiors cool with additional function of waterproofing.

ABOUT THE PRODUCT

Within the dry film layer that serves as insulation medium to resist heat transfer Adhere Bonds - cool Heatshield Has thus the ability to slow down heat transfer remarkably and keep interiors of externally coated surface of a building cooler by re-radiating most of the solar heat back onto the atmosphere.

SPECIFICATION: Conforms to ASTM E-903

AREAS OF APPLICATION

Terraces and rooftops of buildings-cementitious, asbestos & metal surfaces
Industrial & godown sheds with GI or asbestos roofs
Exterior walls of buildings
Cold storages, computer server rooms, electrical control panel rooms, etc.
Metal & concrete storage tanks for water, chemicals and fuel in petrochemical industry

FEATURES & BENEFITS

Heat Insulation Reduces the conductivity of heat from exterior to interior, thus lowers the Temperature
Solar Reflectance 83.8% solar reflectance (ASTM E- 903), re-radiated heat back to atmosphere
UV and IR resistant Resistance to UV & IR emission, protects coating from damage and reduces heat Conductivity.
Microbial resistant Resistance to algae and fungus growth results into lesser maintenance
Non-Toxic water based system Eco friendly
Energy saving Reduction in electrical consumption for air-conditioners, saves energy cost.

METHOD OF APPLICATION

SURFACE PREPARATION: on Cementitious Surfaces

Surface to be applied must be free from dust, loose material, paints, oil, or any other material Which may impair adhesion?
Mechanical means such as wire brushing & shot blasting can be used. Finally vacuum cleaning of all Loose solids and liquids can be done if required
All surface cracks up to 5mm width should be filled up ADHERE SBR Mortar
Cracks more than 5mm and all separation gaps should be filled up with ADHERE SBR
All new cement-sand renderings & concrete surfaces should be allowed to age for 6 to 8 weeks Before surface coating
Apply with brush or roller.

Note:

Whilst any information and / or specification contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendation or suggestions made by us, our representatives, agents or distributors as the conditions of use of any labour involved are beyond our control.

APPLICATION

Apply 3 coats of Adhere Bonds - cool without any dilution by brush or roller at an interval of 2-3 hours.
Allow the coated surface to air cure fully for 7 days.

PRIMING

Prime the metal surface with suitable anti-corrosive primer.
Priming is not required for new GI sheets.

PRECAUTIONS & LIMITATIONS

Do not dilute.

Always to be kept as final coat.i.e. No over coating on Adhere Bonds - cool.

TECHNICAL INFORMATION:

PROPERTIES	SPECIFICATION RESULTS	
Appearance	Free flowing, homogeneous & uniform paste	
Color	White	
Solid content. %	ASTMD 1010	1.01
Sp.Gravity	1.01	
Thermal conductivity		0.029w/mk
Elongation. %	ASTMD 412	200
Abrasion resistance	ASTMD 968	No wear after 450 liters of falling sand
Wind driven rain resistance	TTC-555	No moisture penetration after 24 hours
Tensile strength @ 25°C.	ASTMD 412	0.276
Total solar energy rejected. %		94
SRI Value %	ASTME-903	83.8
Accelerated weathering (2000 Hrs)	ASTMD 4587	Pass
Relative heat gain. Btu/hr/sq.ft		30

COVERAGE

3 m² per ltr per coat.

Coverage may vary depending upon the texture and porosity of the surface

PACKING:

5kg, 25kg

SHELF LIFE & STORAGE

Shelf life is 24 months from the date of manufacturing. Store in a cool & dry place.

Keep away from direct sun light.

HEALTH & SAFETY PRECAUTIONS

Skin Contact: Wash skin with soap & water. Remove contaminated clothes.

On eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a Physician.

OTHER PRODUCTS CATEGORIES AVAILABLE

adhere bonds - cool brings you the widest range of construction chemical

Adhere Bonds
Coats Pvt Ltd

