



SEAL THERMAL-SHIELD XT

EXTERIOR APPLICATIONS



The High Tech Eco-Friendly Thermal Insulation Coating for Exterior Surfaces
Improves efficiency and reduces energy costs

Brochure



Energy Saving



Waterproofs



Eco-Friendly



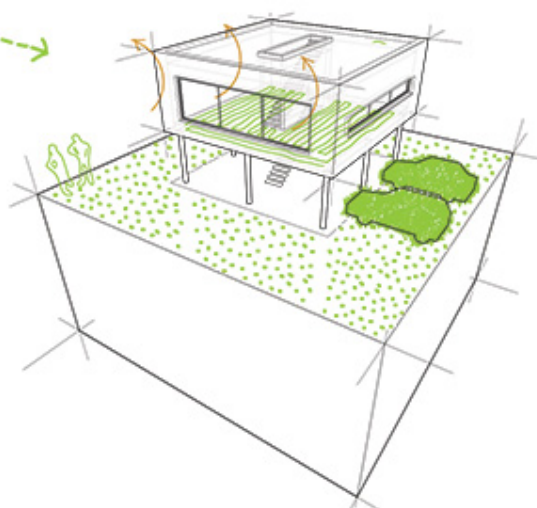
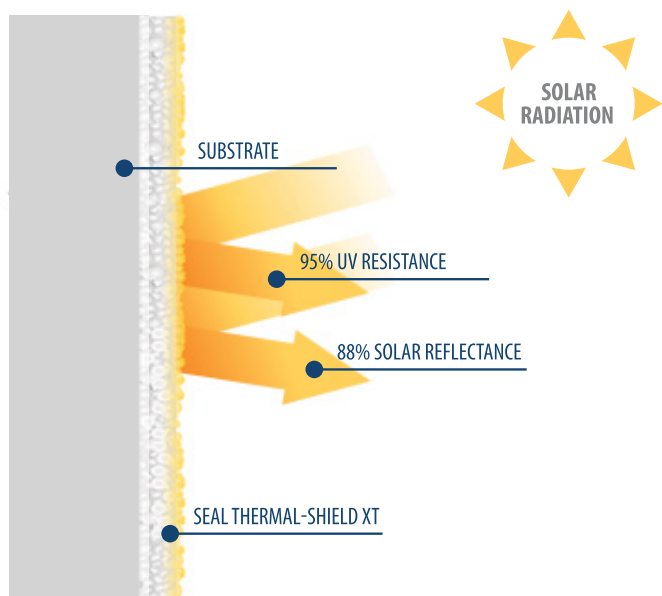
Sound Damping

www.seal-coatings.com

Thermal Insulation & Energy Saving

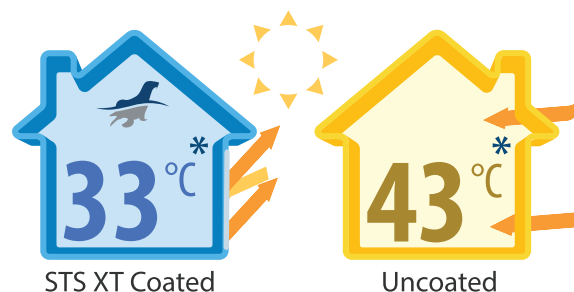


Seal Thermal-Shield XT forms an elastomeric heat barrier by, resisting over 95% of UV; refracting and dissipating up to 75% of the heat; and by reducing heat conduction. With this phenomena, heat entering a building is significantly reduced.



Benefits

- Available in a wide range of exterior colours
- Reduces internal temperatures
- Increased thermal protection and saves energy
- Non-toxic, water-based, low VOC
- Eliminates blistering, peeling & cracking
- Excellent bonding to most substrates
- Excellent breathability
- Water Resistance
- Mold, fungal, mildew and moisture resistant
- Protection against concrete carbonation



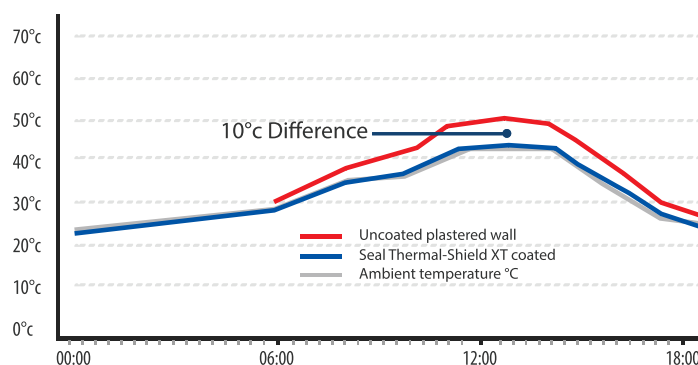
*Temperature reduction varies with environmental and application factors

Seal Thermal-Shield XT keeps buildings cooler in the summer and warmer in winter by reducing heat transfer through walls.

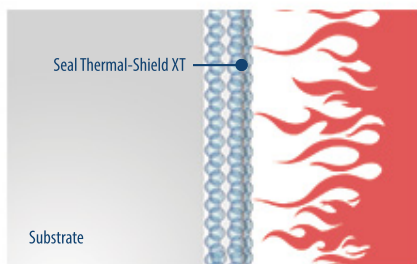
Case Study - Plastered Wall

Summer duration - plastered wall surface temperature

Case study - Dubai



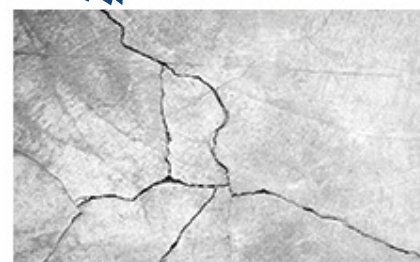
Class A - Fire Retardant



Waterproofs



Reduces Thermal Shock



Typical Applied Surfaces



Concrete walls



Plastered walls



Brick walls



Powder coated / Galvanized metal walls

Theoretical spread rate

3.0 m² / Liter @ 400 Microns WFT

Approximate drying time

To re-coat: 4 hours, Fully dry 12 hours

Equipment

Roller or airless spray application is recommended

Thinning

Approx. 0%-5% with sweet water.

Packaging size

Available in 5 litres and 20 litres (Pail)

Colours

White or as per the exterior colour chart

Product test and certificates

Type	Method	Results
Solar Reflectance	ASTM C 1549-09	88.3 (White)
Solar Reflectance Index	ASTM E 1980:01	110.5 (White)
Emittance	ASTM C 1371-04a	0.82
Thermal Conductivity	ASTM C 518-02	0.06 W/mK
Water Penetration	BS EN 12390	0mm @ 4kpa
VOC Content	BS EN ISO 11890:2	< 0.1 g/l
Light Reflectance Value	BS 8493:2008 + A1	93.18 (White)
Adhesion Strength	ASTM D 4541-09	7.0 N/mm ² Concrete
Abrasion Test	ASTM D 1044-99	0.9% Before 2.85% After
Fire Retardant	ASTM E 84	Class A
Elongation	ASTM C638-10	>250%

