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ECO INSULATE INFO SHEET

PRODUCT DESCRIPTION	<ul style="list-style-type: none"> * Eco Insulate is a Thermal insulative barrier coating formulated on an elastomeric polymer base. * This water-borne coating boasts cutting-edge technology with the addition of glass microspheres. * Eco Insulate provides superior adhesion that has been proven resistant to weathering, chalking and cracking. * This product creates a thermal barrier that is UV reflective and which limits thermal conductivity. * The external coating significantly reduces the interior temperatures of facilities, resulting in lower mechanical cooling requirements.
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PRODUCT BENEFITS	<ul style="list-style-type: none"> * Improves life span of substrates. * Thermal insulation reduces cooling costs * Corrosion control * Encapsulation (Asbestos) * Highly stretchable and contracts to its original form. Therefore withstands thermal cycling. * No solvents. Therefore it is Environmentally Friendly and can be applied where rainwater is harvested. * No negative effect on human or animal life. * Significant waterproofing ability (No ponding longer than 48 hours) * Can be applied to all construction materials including shipping containers. * Spray, paint or roller applied
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THERMAL REDUCTION BENEFIT	<ul style="list-style-type: none"> * Metal Sheeted Areas <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: center;">Ambient Temp °C</th> <th style="text-align: center;">Reduction %</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">18°C</td> <td style="text-align: center;">7</td> </tr> <tr> <td style="text-align: center;">25°C</td> <td style="text-align: center;">27</td> </tr> <tr> <td style="text-align: center;">36°C</td> <td style="text-align: center;">37</td> </tr> <tr> <td style="text-align: center;">45°C</td> <td style="text-align: center;">43</td> </tr> </tbody> </table> <ul style="list-style-type: none"> * Lower temperature losses were recorded where exterior ambient temperatures fell below 8°C * The product therefore creates a more livable environment and reduces the need for heating. * More significant reduction in temperature are experienced where substrate temperatures are recorded on coated and non-coated areas. 	Ambient Temp °C	Reduction %	18°C	7	25°C	27	36°C	37	45°C	43
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TECHNICAL DATA

PARAMETER	Pure Acrylic
FINISH	Homogeneous: smooth, white
SELF PRIMER	Positive
PH	8.68
VISCOSITY	128ku
SPECIFIC GRAVITY	0.9522
TOXICITY	Material is non-toxic & requires no special ventilation during application. Contains no materials considered to be hazardous to health.
FLAMMABILITY	Non-flammable. Does not support flame spread
PACKAGE STABILITY	One year + after opening: no settling or other undesirable effects. Materials completely dispersed after stirring.
ABRASION RESISTANCE	Medium to High
ELONGATION	70% with a 100% full memory
FUNGUS RESISTANCE	No fungus growth when material was tested in an environment in which three organisms were present.
V.O.C	78 grams per Litre
WATER %	26%
SOLIDS BY MASS	50%

STANDARD PACKAGING

PACKAGING	20 Litres
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MATERIAL APPLICATION

SURFACE PREPARATION	<ul style="list-style-type: none">* Surfaces to be sprayed / painted must be cleaned thoroughly and allowed to dry. They must be free from dirt, grease and other foreign matter.* Avoid application when the moisture is above 15%* Remove all unstable paint film.* Repair defective surfaces before application.
MATERIAL	Single component, ready-to-use from container with little stirring required.
APPROXIMATE COVERAGE	1 Litre per square meter
APPLICATION TEMPERATURE RANGE	Above 10°C
RECOATING	Excellent
PRIMARY CURE	3 hours at 25°C
FINAL CURE TIME	3 - 5 Days
AIRLESS SPRAY	Pressure : 1600 - 1700 psi; 110 - 117 bar

HEALTH & SAFETY

SAFETY PRECAUTIONS	<ul style="list-style-type: none">* Keep container tightly closed and keep out of reach of children and away from food and drink.* In case of contact with eye, rinse with water immediately and seek medical advice.* Remove splashes from skin by using soap and water.* Always keep container in a secure, upright position.* Dispose of any paint waste in accordance with the appropriate EHS Regulations
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NOTE: We warranty only the quality of our product. The data sheet is based on results obtained from experience and tests.

We reserve the right to change data without prior notice.

