

# HEAT REFLECT

## INFRARED REFLECTIVE ROOF PAINT

### TECHNICAL DATA SHEET

<b>PRODUCT DESCRIPTION</b>	Heat Reflective (Infra-Red) Chicken House Paint.	
<b>APPLICATION AREAS</b>	<ul style="list-style-type: none"> <li>• Primed wood/metal.</li> <li>• Primed cement plaster or fibre cement.</li> <li>• Previously painted substrates.</li> <li>• Roofs.</li> </ul>	
<b>PRODUCT FEATURES</b>	<ul style="list-style-type: none"> <li>• A new generation pure acrylic long life heat reflecting (Infra-Red) roof paint.</li> <li>• High durability and UV resistance against the harsh Gauteng climate.</li> <li>• Water resistant.</li> <li>• Infra-Red heat reflection.</li> <li>• Excellent adhesion and flexibility.</li> <li>• Easy no-mess application properties.</li> <li>• Quick drying - 2 coats can be applied in one day.</li> <li>• When correctly applied to a properly prepared substrate, the product has a life expectancy of 10 years - possibly longer. The use of Specialized Polymers improves durability, water-resistance, dirt-shedding as well as reflecting heat and reducing under-roof temperature.</li> </ul>	
<b>PRODUCT DATA</b>	<b>RESIN BASE</b>	Acrylic resin emulsion.
	<b>DRYING TIME</b>	Touch dry: ± 1 hour. Hard dry: ± 4-6 hours.
	<b>FILM THICKNESS</b>	70-90 microns per coat.
	<b>SPREADING RATE</b>	6-8 SQM per litre per coat. NOTE: Spreading rate can vary due to substrate porosity and substrate type. For uncoated new surfaces work on 3-4 sqm/1L for the first coat and 4-5 SQM/1L for subsequent coats and when applied to sealed or previously painted substrates.
<b>APPLICATION DETAILS</b>		
• <b>Mixing</b>	Always stir well to a smooth consistency before use with a flat paddle.	
• <b>Application Method</b>	Brush, roller and airless spray.	
• <b>Thinning</b>	This product is ready for use un-thinned; thinning with water will reduce its hiding ability and efficacy (life-span).	
• <b>Cleaning</b>	Clean application equipment thoroughly with clean tap water.	

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<ul style="list-style-type: none"> <li>• <b>Application</b></li> </ul>	<ul style="list-style-type: none"> <li>• Stir well before use.</li> <li>• With a brush or roller apply a generous coat of HeatReflect to the area that needs protecting.</li> <li>• Allow to dry 3-4 hours before recoating.</li> <li>• With a brush or roller apply a second generous coat.</li> <li>• A minimum of 2 coats of HeatReflect are required for best results.</li> <li>• Do not thin the product – use as applied. Do not exceed recommended spreading rate.</li> <li>• Do not apply before 09:00 and after 16:00 in the winter.</li> <li>• Do not apply on exposed exterior surfaces if rain is imminent within 4-6 hours of application.</li> </ul>
<p><b>SURFACE PREPARATION</b></p>	
<ul style="list-style-type: none"> <li>• <b>Rusted Metal</b></li> </ul>	<ul style="list-style-type: none"> <li>• Remove loose dirt, sand and dust from the area.</li> <li>• Affected areas need to be cleaned back to bright metal and spot primed with a lightly coloured water-based rust-retarding primer.</li> <li>• If required wash, rinse and dry the surface before application.</li> <li>• Apply at least 2 coats of HeatReflect.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>New Metal</b></li> </ul>	<ul style="list-style-type: none"> <li>• Surfaces MUST be degreased with a galvanized iron cleaner to remove the manufacturer's grease protective layer. Repeat the process until the surface is water-break free.</li> <li>• Rinse well with potable water.</li> <li>• Prime the clean degreased metal with a lightly coloured water-based rust-retarding primer.</li> <li>• Apply at least 2 coats of HeatReflect.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Wood</b></li> </ul>	<ul style="list-style-type: none"> <li>• Sand smooth and wipe off all dust.</li> <li>• Prime with synthetic universal undercoat.</li> <li>• Apply at least 2 coats of HeatReflect.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Uncoated Cement Plaster Surfaces</b></li> </ul>	<ul style="list-style-type: none"> <li>• Remove dust and foreign material.</li> <li>• Remove all fungal and algae growth with bleach until clean.</li> <li>• Fill all visible cracks with an appropriate crack filler, allow to dry then seal with an alkali-resistant primer.</li> <li>• Apply at least 2 coats of HeatReflect.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Fibre Cement Surfaces (Uncoated, Weathered or New)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Remove dust, foreign material.</li> <li>• Remove all fungal and algae growth with bleach until clean.</li> <li>• If friable or powdery, seal with a bonding liquid or alkali-resistant primer.</li> <li>• Apply at least 2 coats of HeatReflect.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Previously Painted Surfaces</b></li> </ul>	<ul style="list-style-type: none"> <li>• Make sure old paint coatings are firm and solid.</li> <li>• Remove all loose, flaking and bubbling paint.</li> <li>• Remove all dust, grease and foreign material.</li> <li>• Remove all fungal and algae growth with bleach until clean.</li> <li>• If friable or powdery, seal with a bonding liquid or alkali-resistant primer.</li> <li>• Dark coloured paint might require a suitable white undercoat before applying HeatReflect.</li> <li>• Apply at least 2 coats of HeatReflect.</li> </ul>
<p><b>COLOUR RANGE AND QUANTITIES</b></p>	<ul style="list-style-type: none"> <li>• Due to its reflective properties this product is only available in white.</li> <li>• Available in 5 and 20 litres.</li> </ul>
<p><b>PRECAUTIONS</b></p>	<p>HeatReflect is not flammable, contains no toxic substances and very low levels of VOC meeting EU regulations.</p>
<p><b>DISCLAIMER</b></p>	<p>Treadstone CPM cannot be held liable if the product fails due to improper surface preparation or application.</p>