



# SHIELD

## LOWSHEEN EXTERIOR & INTERIOR COATING

### TECHNICAL DATA SHEET

<b>PRODUCT NAME</b>	Rhinoluxe Shield.	
<b>PRODUCT DESCRIPTION</b>	New generation water based acrylic elastic long life roof and wall coating for use with and without a woven membrane for sealing roofs and walls from water penetration.	
<b>APPLICATION AREAS</b>	<ul style="list-style-type: none"> <li>• Interior and exterior.</li> <li>• Cement tiles (new or weathered), fibre cement sheeting (new or weathered), primed plaster, previously painted substrates.</li> <li>• Primed metal and wooden substrates.</li> <li>• Flat cement/concrete roofs/wall tops.</li> <li>• Seals nail heads and roofing bolts.</li> </ul>	
<b>PRODUCT FEATURES</b>	<ul style="list-style-type: none"> <li>• This product is a coating material, which prevents water penetration into the substrate. Applied in several layers and strengthened with a suitable woven material (where required) it forms a thick protective membrane for sealing roofs &amp; walls.</li> <li>• Available in several colours as well as white.</li> <li>• This product is based on a highly flexible and water-resistant acrylic resin emulsion.</li> <li>• Applied to specification it seals concrete roofs and walls preventing water penetration.</li> <li>• This product remains highly flexible for years even after extended exposure to the environment.</li> <li>• Besides its main use on concrete roofs, this product can be successfully applied on galvanized sheeting, roofing felt and fibre cement as well as walls where craze cracking is prevalent.</li> <li>• This product is ideal for repair work on roofs such as sealing nail heads, leaking flashings and repairing damaged and cracked roofing felt or craze cracked walls. Ideal for use on window ledges and to seal parapet wall tops.</li> <li>• Highly durable and UV resistant.</li> <li>• Highly water resistant.</li> <li>• Excellent long-term flexibility.</li> <li>• Excellent adhesion.</li> <li>• Excellent, no mess application properties.</li> <li>• Quick drying - two coats can be applied in one day.</li> <li>• Low odour.</li> <li>• 1-3 coats of product should be used for best results.</li> <li>• White and pastel colours also have the added benefit of being heat-reflective, thereby reducing room temperatures (especially for metal roofs).</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>	100-120 microns per coat (DTF).
	<b>SPREADING RATE</b>	8 SQM per 1 litre (per coat). Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 4-6 square meters per litre for the first coat and 6-8 square meters per litre for subsequent coats and for when applied to sealed, previously painted substrates. Do not exceed 4 SQM per litre when applying as a 1 coat system.

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APPLICATION DETAILS	
• <b>Mixing</b>	Always stir well before use with a flat paddle.
• <b>Application Method</b>	Brush and roller.
• <b>Thinning</b>	This product is ready for use un-thinned; thinning with water will reduce its strength.
• <b>Cleaning</b>	Application equipment clean-up is with clean tap water.
• <b>Application</b>	<ul style="list-style-type: none"><li>• Stir well before use.</li><li>• With brush or roller, apply a generous/thick coat of product to the area that needs protecting in small manageable sections.</li><li>• If required, firmly and evenly press a layer of woven fabric waterproofing membrane such as Biddim into the wet layer of product.</li><li>• Allow to dry 4-6 hours before re-coating.</li><li>• Apply a second coat, until the membrane is totally saturated and the surface has an even and very noticeable high sheen.</li><li>• 1-3 coats of this product are used for best results.</li><li>• Application equipment clean-up is with clean tap water.</li><li>• Do not apply before 09:00 and after 16:00 in the winter.</li><li>• Do not apply if temperature is 12 degrees Celsius or lower.</li><li>• Do not apply exterior if it looks like rain will occur within 4-6 hours of application.</li></ul>
SURFACE PREPARATION	
• <b>Rusted Metal</b>	<ul style="list-style-type: none"><li>• Affected areas need to be cleaned back to bright metal and spot primed with water based metal primer.</li><li>• Remove collected sand and dust from the area.</li><li>• Apply 1-2 coats of product.</li></ul>
• <b>New Metal</b>	<ul style="list-style-type: none"><li>• Degrease surfaces with a galvanized iron cleaner to remove the manufacturer's grease protective layer. This process is repeated until the surface is water-break free.</li><li>• Prime the clean degreased metal with a water based metal primer.</li><li>• Rinse well with potable water.</li><li>• Apply 1-2 coats of product.</li></ul>
• <b>Uncoated Cement Plaster Surfaces</b>	<ul style="list-style-type: none"><li>• Remove dust, foreign material, fungal and algae growth.</li><li>• Fill all visible cracks and seal with a suitable plaster primer.</li><li>• Apply 1-2 coats of product.</li></ul>
• <b>Fibre Cement Surfaces (Uncoated, Weathered or New)</b>	<ul style="list-style-type: none"><li>• Remove dust, foreign material, fungal and algae growth.</li><li>• Fill all visible cracks and seal with a suitable plaster primer.</li><li>• Apply 1-2 coats of product.</li></ul>
• <b>Previously Painted Surfaces</b>	<ul style="list-style-type: none"><li>• Make sure old paint coatings are firm and solid - Remove all loose, flaking and bubbling paint.</li><li>• Remove all dust, grease, foreign material, fungal and algae growth. Allow to dry.</li><li>• If then powdery or friable, seal with a suitable bonding liquid or plaster primer.</li><li>• Test the product for adhesion on high gloss enamel surfaces. If required apply 1 coat of universal undercoat and allow to dry for 6 hours before over coating with product.</li><li>• Apply 1-2 coats of product.</li></ul>
<b>COLOUR RANGE AND QUANTITIES</b>	<ul style="list-style-type: none"><li>• This product is available in white and a range of colours</li><li>• Available in 5 litre and 20 litre buckets.</li></ul>
<b>PRECAUTIONS</b>	This product is not flammable, contains no toxic substances and only low levels of VOC (EU regulations).
<b>DISCLAIMER</b>	Treadstone CPM cannot be held liable if the product fails due to improper surface preparation or application.