

► **Bioni-Shield** *Roofing*
Intelligent Roof Coating



TECHNICAL SPECIFICATIONS

Description	Bioni-Shield Roofing is a new composite material consisting of microscopically small, hollow glass spheres and a flexible polymer matrix possessing optimum application characteristics and multi-functional features.														
Characteristics	<ul style="list-style-type: none"> ● reflects incoming sun rays (90%) ● permeable to water vapor ● water proofing against rain ● crack-bridging ability ● resistant to UV light ● salt and carbon dioxide resistant (prevents concrete corrosion) ● flame resistant ● very good adhesion ● environmentally friendly ● excellent colour stability 														
Properties	<ul style="list-style-type: none"> ■ Lowers the cost of energy used for air conditioning ■ Provides long term protection for the roof ■ Extremely tough with a long service life 														
Technical Data	<table> <tr> <td>Thinning:</td><td>Ready for use</td><td>Colour:</td><td>as per shade card or white</td></tr> <tr> <td>Finish:</td><td>matt</td><td>Volume solids:</td><td>approx. 55%</td></tr> <tr> <td>Thinner:</td><td>water</td><td>Specific gravity:</td><td>1,20 g/cm³</td></tr> </table>			Thinning:	Ready for use	Colour:	as per shade card or white	Finish:	matt	Volume solids:	approx. 55%	Thinner:	water	Specific gravity:	1,20 g/cm ³
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Application	<p>For inclined roofs and flat roofs with an inclination of at least 5%. Can be used as topcoat on old and new clay and concrete tiles, galvanised sheet metal and wood.</p> <p>Can be applied by brush, roller or sprayed using suitable equipment.</p> <p>Prepare absorbent surfaces with Bioni-Shield Grip first.</p>														
Coverage	<p>Apply Bioni-Shield Inside in two coats. One litre will cover approx. 2.0 -2.5 sm. This is equivalent to approx. 250 -325 ml/sm per coat and a total of approx. 500 - 650 ml/sm depending upon the surface. Determine exact quantities by means of test coats.</p> <p>Dry to recoat after 24 hours.</p>														
Packaging	<p>Ready to use, in 10.0 litre units.</p> <p>Store in a cool, frost-free and dry place in closed, original container. Shelf time: 15 months.</p>														

Note: We warranty only the quality of our product. This data sheet is based upon state of the art technical knowledge and our experience. In view of the variety of surfaces, applications and other factors influencing the use of the product, no liability can be accepted. This document is superseded by later issues. (Date: October 2004)