THE TOUGHEST SPRAYED SEALS ALWAYS

SAMIseal Sealing Grades are polymer modified sealing grade binders designed for the harshest Australian road conditions.

These binders are the innovation of SAMI Bitumen Technologies’ Research and Development team of dedicated engineers and scientists.

SAMIseal range of binders are recommended to be used as a High Stress Seal (HSS), a Strain Alleviating Membrane (SAM) or a Strain Alleviating Membrane Interlayer (SAMI).

PERFORMANCE BENEFITS

- None or low polymer segregation
- Improved flow properties to ensure no tram lining
- Enhanced toughness
- Highly resistant to oxidation during service as compared with straight bitumen seals
- Most suited as waterproofing membranes on concrete bridge decks
- Outstanding adhesion to cover aggregates particularly needed in high stress situations (uphill lanes, intersection approaches, roundabouts, corners)
- Ability to being used as Strain Alleviating Membranes (SAM) over cracked pavements or as Strain Alleviating Membrane Interlayers (SAMI)
- Less susceptible to large pavement temperature variations experienced in the Australian outback
- Binders of choice for frost prone locations especially at higher elevations and colder regions
- Longer service life under increasing traffic conditions

PRODUCT RANGE AND SPECIFICATION

<table>
<thead>
<tr>
<th>BINDER</th>
<th>AUSTROADS GRADE</th>
<th>QLD TMR GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAMIseal S10E</td>
<td>S10E</td>
<td>S0.25S</td>
</tr>
<tr>
<td>SAMIseal S15E</td>
<td>S15E</td>
<td>-</td>
</tr>
<tr>
<td>SAMIseal S20E</td>
<td>S20E</td>
<td>-</td>
</tr>
<tr>
<td>SAMIseal S25E</td>
<td>S25E</td>
<td>S4.5S</td>
</tr>
<tr>
<td>SAMIseal S35E</td>
<td>S35E</td>
<td>S0.3B</td>
</tr>
<tr>
<td>SAMIseal S45R</td>
<td>S45R</td>
<td>S1.8R</td>
</tr>
<tr>
<td>Polyseal</td>
<td>S35E</td>
<td>-</td>
</tr>
</tbody>
</table>
APPLICATION

- New seals over properly prepared surfaces
- On structurally sound arterial roads or highways which exhibit either shrinkage or fatigue cracking problems
- On roads where aggressive climatic conditions are causing rapid ageing of normal bitumen binders with early loss of aggregate
- Where waterproofing of the surface is necessary
- On high stress traffic conditions for improved performance over conventional binders

PRACTICAL BENEFITS

SAMIsell Sealing Binders have been used in many locations to satisfy specific requirements

- Sydney Harbour Bridge resurfaced with SAMIseal S45R, preferred for greater surface flexibility and to reduce damage due to structural movement
- Macleay River and Floodplain Bridge, SAMIseal S25E and SAMIseal S20E used as membrane seals
- Wollongong CC and Gwydir Hwy, Grafton – SAMI Polyseal used for providing tougher surface with longer service life
- Many Local City Councils in NSW prefer the cost effective versatile binder SAMIseal S45R for its tenacity and crack resisting properties for low cost maintenance of their road network
Whilst every care is taken in the preparation of this data sheet, no responsibility is accepted for the interpretation of information contained herein, nor is any warranty expressed or implied for the suitability of the material for a particular application.