



# SAMIsEal Sealing Grades

*The comprehensive solution*



*Member of the worldwide Colas Group*



**Australia**

# THE TOUGHEST SPRAYED SEALS ALWAYS

SAMlseal 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.

SAMlseal 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).

## PRODUCT RANGE AND SPECIFICATION

BINDER	AUSTROADS GRADE	QLD TMR GRADE
SAMlseal S10E	S10E	S0.25S
SAMlseal S15E	S15E	-
SAMlseal S20E	S20E	-
SAMlseal S25E	S25E	S4.5S
SAMlseal S35E	S35E	S0.3B
SAMlseal S45R	S45R	S1.8R
Polyseal	S35E	-

## 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



## 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



*SAMlseal S25E, SAMlseal S20E on Australia's Longest Bridge - Macleay River and Floodplain Bridge, Pacific Highway*



*SAMlseal S45R on Sydney Harbour Bridge*

## PRACTICAL BENEFITS

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

- Sydney Harbour Bridge resurfaced with SAMlseal S45R, preferred for greater surface flexibility and to reduce damage due to structural movement
- Macleay River and Floodplain Bridge, SAMlseal S25E and SAMlseal 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 SAMlseal S45R for its tenacity and crack resisting properties for low cost maintenance of their road network





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