

# PRODUCT DATA SHEET



## PRODUCT NAME: SAMIseal PBD (S35E)

### DESCRIPTION

SAMIseal PBD (S35E) is a polymer modified binder used in spray sealing applications where a High Stress Seal (HSS) or Strain Alleviating Membrane (SAM) is required.

SAMIseal PBD is manufactured by blending Class 170 bitumen with polybutadiene polymer, specifically for but not exclusively, in order to meet the Queensland Department of Main Roads specification for S0.3B sealing binder. SAMIseal PBD also meets the Austroads and NSW Roads and Traffic Authority's S35E sealing binder specification.

### FEATURES

- Toughness;
- Excellent aggregate retention;
- Crack retardation;
- Very good storage stability;
- Low temperature susceptibility.

### APPLICATIONS

Used in High Stress Seals (HSS) applications (intersections, climbing lanes, turning areas) and as Strain Alleviating Membrane (SAM) where minor cracking is present.

### TECHNICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES	Specification
Viscosity at 165°C	Pa.s	AGPT/T111	0.35	0.55 max.
Torsional Recovery at 25°C	%	AGPT/T122	20	16 – 32
Softening Point	°C	AGPT/T131	52.0	48 – 56
Consistency 6% at 60°C	Pa.s	AGPT/T121	360	250 min.

### STORAGE, HANDLING & USAGE

- Never heat SAMIseal PBD above 200°C;
- SAMIseal PBD may be stored for up to 7 days at 175 - 185°C;
- For periods exceeding 7 days the temperature must be reduced to 120-140°C and kept up to 30 days
- When re-heating Polyseal, heat and circulate at a maximum rate of 10°C per hour;
- A minimum pavement surface temperature of 15°C is recommended for spraying SAMIseal PBD
- The amount of cutter would be determined by local weather conditions and SRA guidelines but generally not more than 3%

### AVAILABILITY

A minimum 6 tonnes quantity on order in all the States and Territories.