

# PRODUCT DATA SHEET



## PRODUCT NAME: SAMIfalt I-Brid

### DESCRIPTION

The binder designated as SAMIfalt I-Brid is an innovative hybrid polymer modified binder with superior characteristics in terms of rutting resistance at high temperatures and long term resistance to cyclic loads, specifically developed for airport and very heavily trafficked pavements.

### FEATURES

- It provides greater adhesion and internal cohesion, allowing the formation of stronger interparticle matrix and therefore greater resistance to plastic deformation;
- Increased resistance to groove closure;
- Very good fuel resistance;
- Resistance to crack propagation and decreased moisture sensitivity;
- Low temperature susceptibility (superior performance in terms of rutting and fatigue resistance in higher and lower temperature regions/extremes);
- Very good storage stability and workability.

### APPLICATIONS

Used primarily in airport and very heavily trafficked applications.

Used generally in all types of hot asphalt mixes, such as Dense Graded (DG), Open Graded (OG), Stone Mastic Asphalt (SMA).

### TECHNICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	Typical VALUES	Specification
Softening Point	°C	AGPT/T131	100	Min 90
Penetration at 25°C,	dmm	AS 2341.12	35	30-50
Consistency 6% at 60°C,	Pa.s	AGPT/T121	5091	min 4000
Stiffness at 25°C,	kPa	AGPT/T121	74	min 55
Torsional Recovery at 25°C,	%	AGPT/T122	36	30-60
Viscosity at 165°C	Pa.s	AGPT/T111	1.1	max 1.7

### STORAGE, HANDLING & USAGE

- Never heat the SAMIfalt I-Brid above 200°C;
- The SAMIfalt I-Brid may be stored for up to 4 days at 160 - 175°C;
- For periods exceeding 4 days the temperature must be reduced to 120-140°C. The binder can be kept at this temperature for up to 14 days without deterioration of binder properties;
- When re-heating the SAMIfalt I-Brid binder, heat and circulate at a maximum rate of 10°C per hour.

### AVAILABILITY

Available in bulk (minimum 6 tonnes) on order in all the States and Territories.