



# SAMIFALT I-BRID

ULTRA HIGH-PERFORMANCE HYBRID  
MODIFIED BINDER ENGINEERED TO LAST

- Superior rutting and fatigue resistance
- Great resistance to fuel and moisture
- Improved asphalt workability



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## FEATURES

### Superior rutting and fatigue resistance

SAMIfalt I-Brid surpasses A35P and A5E binders in asphalt rutting and fatigue performance while being on par with A10E in terms of asphalt fatigue performance.

### Great resistance to fuel and moisture

SAMIfalt I-Brid demonstrates excellent resistance to fuel and oil leaks, rendering it ideal for applications in areas such as airport aprons, ports, or bus terminals. It also shows remarkable resistance to moisture sensitivity, showcasing high TSR values.

### Improved asphalt workability

Despite the high polymer loading, SAMIfalt I-Brid has been engineered to offer excellent workability and compactability in the field. This aids paving teams in achieving the desired pavement density.

## DESCRIPTION

SAMIfalt I-Brid represents the next generation of hybrid-modified bitumen, delivering unrivalled asphalt performance in extreme ambient temperature and traffic conditions. Developed in collaboration with RMIT University, this versatile asphalt binder incorporates innovative polymers that impart exceptional asphalt resistance to permanent deformation and cracking, making it a perfect fit for the most demanding Australian conditions.

Paving teams benefit from SAMIfalt I-Brid's excellent workability and compactability during the paving and compaction stages, allowing for easier attainment of the targeted density. The binder's self-crosslinking abilities

ensure durability and longevity, surpassing conventional PMB products in asphalt performance. Its high cohesive strength provides enhanced resistance to crack initiation and propagation across various asphalt mixtures, making it a superior choice for heavily trafficked roads, airports and ports.

Moreover, SAMIfalt I-Brid's selected polymers provide enhanced resistance to fuel and hydrocarbons, making it ideal for use in areas susceptible to fuel and oil spillages. The binder's exceptional sensitivity to moisture damage further ensures stability and longevity even in high-moisture environments.

## APPLICATIONS

SAMIfalt I-Brid can be used as a binder in all types of asphalt mixtures, especially for highly trafficked roads, airports, and ports for both wearing and base courses.

## TECHNICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES	INTERNAL 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



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