



Flexiphalt 350A is a premium grade bitumen that has been heavily modified with an SBS polymer. It is specifically formulated to maximise compatibility between the polymer and bitumen and to optimise workability. Flexiphalt 350A is designed for use in hot mix asphalt and is an excellent choice for improving the performance of pavements carrying heavy vehicles and very high traffic volumes.

The use of Flexiphalt 350A provides the following performance advantages:

- Resists deformation associated with very heavy traffic loads
- Superior resistance to fatigue and reflective cracking
- AASHTO M332 specification grade PG64-22V.

### ➤ WHERE TO USE

- Asphalt pavements subjected to slow moving, heavy axle loads
- Asphalt pavements subjected to traffic flows up to 30 million ESAs
- Pavements experiencing high levels of cracking or deflection
- Airports and industrial sites carrying heavy vehicles and equipment
- SMA and porous asphalt where superior binder properties are required.

### ➤ TYPICAL PROPERTIES OF FLEXIPHALT 350A

Penetration (25°C)	ASTM D5	65 dmm	$G^*/\sin\delta = 1.00$ kPa	ASTM D7175	79°C
Softening Point	ASTM D36	76°C	Jnr (3200 Pa, 64°C)	ASTM D7405	0.7 kPa <sup>-1</sup>
Viscosity (165°C)	ASTM D4402	450 mPa.s	Elastic Recovery (64°C)	ASTM D7405	50%
Torsional Recovery (25°C)	AG:PT/T122	60%	Density (25°C)	ASTM D70	1.02 kg/L

### ➤ APPLICATION AND DESIGN

The asphalt design procedure and bitumen content is identical to that used for unmodified asphalt. However, the modified nature of the binder resists compactive efforts to a greater extent than unmodified binders. The following guidelines may assist in obtaining adequate compaction:

- The recommended production mix temperature is 175°C minimum
- The mix and compaction temperatures for Austroads, SP-2 and MS-2 mix design purposes are 175°C and 157°C respectively
- Ensure that the rollers are of sufficient size and quantity
- Establish an appropriate rolling pattern
- Avoids delays and begin compaction immediately. Compaction is best achieved before the temperature falls below 110°C
- Consult the manufacturer if further guidance is required
- A Safety Data Sheet (SDS) is available upon request.

For more information on the availability of Flexiphalt 350A please contact:  
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To the best of our knowledge the information contained in this document is correct. Since the products described herein are being continuously improved, the specified properties may vary as improvements are made to production processes and product quality. This document may be revised at any time.

