



Flexiphalt 340A is a premium grade, fully networked SBS modified bitumen. It is specifically designed for use in hot mix asphalt and is an ideal choice for improving the performance of pavements carrying heavy vehicles or very high traffic volumes.

The use of Flexiphalt 340A provides the following performance advantages:

- Good resistance to raveling
- Outstanding resistance to deformation
- Excellent 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 moderate levels of cracking.
- SMA and porous asphalt where improved binder properties, increased binder film thicknesses and minimal binder drainage are required.

### > TYPICAL PROPERTIES OF FLEXIPHALT 340A

Penetration (25°C)	ASTM D5	72 dmm	$G^*/\sin\delta = 1.00 \text{ kPa}$	ASTM D7175	75°C
Softening Point	ASTM D36	68°C	Jnr (3200 Pa, 64°C)	ASTM D7405	0.8 kPa <sup>-1</sup>
Viscosity (165°C)	ASTM D4402	380 mPa.s	Elastic Recovery (64°C)	ASTM D7405	40%
Torsional Recovery (25°C)	AG:PT/T122	50%	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 higher viscosity 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 340A 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.

