



Flexiphalt 330A is a premium grade bitumen, modified with a moderate amount of SBS polymer. It is specifically designed for use in hot mix asphalt and is a cost-effective choice for improving the performance of pavements carrying heavy traffic.

The use of Flexiphalt 330A provides the following performance advantages over conventional bitumen:

- Improved resistance to raveling
- Improved resistance to deformation
- Improved resistance to fatigue and reflective cracking
- AASHTO M332 specification grade PG64-22H.

› WHERE TO USE

- Asphalt pavements subjected to moderately heavy axle loads
- Asphalt pavements subjected to traffic flows up to 10 million ESAs
- Pavements experiencing moderate levels of cracking
- Intersections and turning areas where increased aggregate retention is required
- SMA where improved binder properties are required.

› TYPICAL PROPERTIES OF FLEXIPHALT 330A

Penetration (25°C)	ASTM D5	75 dmm	$G^*/\sin\delta = 1.00$ kPa	ASTM D7175	70°C
Softening Point	ASTM D36	50°C	Jnr (3200 Pa, 64°C)	ASTM D7405	1.6 kPa ⁻¹
Viscosity (165°C)	ASTM D4402	250 mPa.s	Elastic Recovery (64°C)	ASTM D7405	20%
Torsional Recovery (25°C)	AG:PT/T122	22%	Density (25°C)	ASTM D70	1.03 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 170°C minimum
- The mix and compaction temperatures for Austroads, SP-2 and MS-2 mix design purposes are 168°C and 150°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 100°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 330A please contact:

Higgins Bitumen (a division of Higgins Contractors Ltd),
PO Box 421, Napier
P: (06) 834-1589 E: HBM@higgins.co.nz

October 2014
Version 3

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.

