



Flexiphalt® 351A

Flexiphalt 351A is a premium grade bitumen that has been heavily modified with an SBS polymer. It is specifically formulated for effective compaction of thin asphalt surfacing. Flexiphalt 351A 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 351A provides the following performance advantages:

- Resists deformation associated with extreme traffic loads
- Good resistance to cracking
- AASHTO M332 specification grade PG64E-22.

WHERE TO USE

- Asphalt pavements subjected to slow moving, heavy traffic
- Polymer modified thin asphaltic concrete where improved workability and compactibility is required
- Asphalt pavements subjected to traffic flows >20 million ESAL
- Pavements experiencing cracking or deflection
- Airports and industrial sites carrying heavy vehicles and equipment.

APPLICATION AND DESIGN

The asphalt design procedure and bitumen content is identical to that used for unmodified asphalt. The following guidelines may assist in obtaining adequate compaction:

- The recommended temperature range for asphalt production using Flexiphalt 351A is 155–170°C
- The mix and compaction temperatures for Austroads, SP-2 and MS-2 mix design purposes are 175°C and 160°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.



Typical Properties of Flexiphalt 351A

Title	Method	Property
Viscosity (135°C)	ASTM D4402	1.2 Pa.s
G*/sin = 1.00 kPa	ASTM D7175	76°C
Jnr (3200 Pa, 64°C)	ASTM D7405	0.4 kPa ⁻¹
Elastic Recovery (64°C)	ASTM D7405	30%
Density (25°C)	ASTM D70	1.02 kg/L

For more information 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.