



Flexiphalt® HiFLEX

Flexiphalt HiFLEX is a premium grade, fully networked SBS polymer modified bitumen that has been specifically designed for use in highly fatigue and deformation resistant asphalt wearing courses. Flexiphalt HiFLEX possesses excellent storage stability, workability and handling characteristics.

Flexiphalt HiFLEX is the gold standard, by which other binders are judged.

- Superior deformation resistance
- Exceptional fatigue resistance.
- AASHTO M332 specification grade PG64V-28.

WHERE TO USE

- Thin asphalt surfacing where high deflections or variable structural integrity require exceptional fatigue and cracking tolerance
- Thin asphalt wearing courses that require outstanding deformation and shoving resistance
- Very heavy traffic flows (>20 million ESAL)
- Long life OGPA.

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 HiFlex is 155–170°C minimum
- 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 120°C
- Consult the manufacturer if further guidance is required
- A Safety Data Sheet (SDS) is available upon request.



Typical Properties of Flexiphalt HiFLEX

Title	Method	Property
Viscosity (135°C)	ASTM D4402	2.2 Pa.s
G*/sin = 1.00 kPa	ASTM D7175	82°C
Jnr (3200 Pa, 64°C)	ASTM D7405	0.8 kPa ⁻¹
Elastic Recovery (64°C)	ASTM D7405	70%
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.