



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 M320 specification grade PG76-28
- AASHTO M332 specification grade PG70-28E.

> WHERE TO USE

- Thin asphalt surfacing for pavements with high deflections or variable structural integrity that require exceptional fatigue and cracking tolerance
- Thin asphalt wearing courses that require outstanding deformation and shoving resistance
- Extremely heavy traffic flows (> 30 million ESA's)
- Long life OGPA
- Ports, airports and industrial sites subject to extreme axle loads (>8.2 kN).

> TYPICAL PROPERTIES OF FLEXIPHALT HiFLEX

Penetration (25°C)	ASTM D5	85 dmm	$G^*/\sin\delta = 1.00 \text{ kPa}$	ASTM D7175	80°C
Softening Point	ASTM D36	83°C	Jnr (3200 Pa, 70°C)	ASTM D7405	0.4 kPa ⁻¹
Viscosity (165°C)	ASTM D4402	350 mPa.s	Elastic Recovery (70°C)	ASTM D7405	75 %
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 higher viscosity of the binder resists pumping and compaction 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 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.

For more information on the availability of Flexiphalt HiFLEX 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.

