

# PRODUCT DATA SHEET



## PRODUCT NAME: SAMIfalt M1000

### DESCRIPTION

SAMIfalt M1000 is an unmodified bitumen with very low temperature susceptibility. It exhibits high performance in rut resistance of the mixes in which it is being used.

### FEATURES

- High resistance to deformation (shoving and rutting);
- Fatigue resistance;
- Low temperature susceptibility;
- Good storage stability.

### APPLICATIONS

Used in Dense Graded (DG) mixes.

### TECHNICAL PROPERTIES

| PROPERTY                                   | UNIT  | TEST METHOD | Typical VALUES | Specification |
|--|-------|-------------|----------------|---------------|
| Viscosity at 60°C                          | Pa.s  | AS 2341.2   | 750 - 1200     | Report        |
| Penetration at 25°C,<br>100g, 5s           | 0.1mm | AS 2341.12  | 35 - 50        | Report        |
| Viscosity at 60°C<br>post-RTFO             | Pa.s  | AS 2341.2   | 4000 - 5000    | 3500 - 6500   |
| Penetration at 25°C,<br>100g, 5s post-RTFO | 0.1mm | AS 2341.12  | 30 - 35        | min. 26       |

### STORAGE, HANDLING & USAGE

- SAMIfalt M1000 binder has been proven to be homogenous and stable under hot storage conditions;
- The short time (5 days) storage temperature range should be 150 - 175°C; for a medium term (14 days) storage time, the storage temperature range should be 120 - 140°C;
- If handled at the recommended temperatures, it does not fume during the manufacturing, laying and compaction of the asphalt mix;
- SAMIfalt M1000 binder has very good workability and compactability;
- The minimum mix temperature in the paver should be 135°C with compaction commencing at this temperature;
- Use steel rollers with a minimum capacity of 7 tonnes and vibratory capacity (the first pass should be vibratory); no pneumatic or rubber tyre rollers should be used until the mix cools down sufficiently, so that no "pumping" occurs.

### AVAILABILITY

Available in bulk (minimum 6 tonnes) on order in all the States and Territories.