

Blacktop FSR

PROPERTY	Specifications	TEST METHOD
1) Modified binder content % m/m	60 – 62	MB – 22
2) Viscosity @ 50°C (Saybolt Furol) Sec.	Min 20 Sec.	MB – 21
3) Residue on sieving g/100 ml – Max. 710 μ m sieve 150 μ m sieve	≤ 0.1 ≤ 0.5	MB – 23 MB – 23
4) Particle charge	Positive	MB – 24
5) Sedimentation after 60 rotations	Nil	SANS 4001 BT- 3 (5.6)
6) Typical Application	0.5 l/m ²	Litres per square meter
PROPERTIES OF RECOVERED BINDER RESIDUE		
7) Softening point °C - Min.	≥ 50	MB – 17
8) Elastic recovery @ 15°C, % min	≥ 50	MB – 4
9) Application temperatures	50°C – 70°C It is preferred to be sprayed at 60°C to ensure better flow properties without damaging the product at elevated temperatures. Blacktop FSR can be diluted 50:50 or as per the target residual binder content. A MINIMUM of 4 HOURS drying time is required in fogseal applications as it may be very tacky.	
10) Uses	Blacktop FSR: is used for integrated tack pavers, fog spray applications when asphalt or seal is porous or oxidized, concrete tack coats.	
11) Cleaning and handling	Refer to Safety data sheets:	

Blacktop FSR creates a superior bond between the existing surface and the ultra-thin friction course (UTFC), concrete tack coats, fog seals, and seals off permeability. The shearing force acting on the interface between the substrate and asphalt overlay is much higher than those experienced with thicker asphalt layers, therefore the emulsion is modified with an SBR polymer, straight run 70/100 penetration bitumen, and Nano-technology to improve the residual binder properties, bond/shear strength, and adhesion at the interface. The elastomer also enhances the adhesion of the new thin layer to the existing substrate under extreme traffic action. Blacktop FSR will also work very well for old porous surfaces and permeable surfaces

NOTE: This data is issued as a guide to the use of the product(s) concerned and whilst every effort is made to ensure the accuracy of the text which is in accordance with the latest technical developments, we cannot accept responsibility for any work carried out with our materials as we have no control over the method of application used or condition of site involved. In view of the constant research and development being undertaken in our laboratories we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subject to our standard conditions of sale which are available on demand.