



GRAVSEAL™

Elastomer Modified Cutback Binder

Product Data Sheet 2012/08

DESCRIPTION

GRAVSEAL™ is a blend of an elastomer modified bitumen and medium curing solvents.

USES

GRAVSEAL™ binder is applied as a tack coat when sealing gravel roads with graded aggregate.*
GRAVSEAL™ is suitable for roads carrying light to medium traffic.

PROPERTIES

GRAVSEAL™ binder can penetrate most gravel bases whilst depositing sufficient residual binder on the surface to retain the graded aggregate. Unlike sand seals, the graded aggregate can accommodate substantial quantities of binder, resulting in a durable, flexible, waterproof and skid resistant seal.

SPECIFICATIONS

BINDER PROPERTIES	REQUIREMENT		TEST METHOD
	Min	Max	
Dynamic viscosity @ 135°C, Pa·s	0.05	0.12	ASTM D4402
RESIDUAL BINDER PROPERTIES**			
Softening point, °C	53	-	ASTM D36
Dynamic viscosity @ 135°C, Pa·s	0.5	2.0	ASTM D4402
Elastic recovery @15°C, %	60	-	MB-4
Ductility @15°C, cm	40	-	DIN 52013

DIRECTIONS FOR USE

1. Sweep and dampen the base with a light spray of water.
2. Spray the binder at an application rate of 1.8 l/m² at a temperature of 130 - 140°C.
3. Allow the binder to penetrate the base for at least 20 minutes.
4. Cover the binder with dry graded aggregate at an application rate of 80 - 90 m²/m³.
5. Roll with a pneumatic tyred roller (minimum of 3 passes).
6. Control traffic speed in early life of seal.
7. Sweep back loose aggregate into wheel tracks up to 3 weeks after construction.

* Grading requirements are 100% passing 19.0 mm sieve and maximum of 15% passing 2.36 mm sieve.

**After being subjected to 90 minutes of conditioning @ 163°C in the Rolling Thin Film Oven without air flow.

Head Office

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