BITUMATETM —



BITUMATE[™] is a quality graded product, enabling excellend workability and compaction rates.

APPLICATIONS

- Unsealed Rural Roads
- Road Shoulder Construction & Repair
- Hard Stand Areas
- Footpaths, Fire Tracks & Walking Trails
- Light Duty Car Parks
- Driveways

COMPOSITION

BITUMATE[™] is a nominal 20mm graded pavement material manufactured from reclaimed asphalt. Source material is asphalt removed from road pavements and carparks by stripping, cold planing or excavation.

Minimal amounts of base, subbase or other materials may be included in the product.

The high quality aggregates and residual bitumen binder used in making the source product, provide a basis for the high performance characteristics measured in the laboratory and field.

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QUALITY ASSURANCE

BITUMATE[™] is manufactured and supplied under strict quality control in accordance with our Quality Assurance System.

It is produced on demand to a nominated specifiation and tested for compliance by an external NATA accredited laboratory.

CONSTRUCTION METHOD

BITUMATE[™] is supplied wet-mixed to Optimum Moisture Content (OMC) and laid using traditional methods much like any other quarried pavement material.

The minimum recommended pavement thickness is 50mm.

Proper compaction and rolling will provide a hard, durable and smooth surface.



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BENEFITS OF USING BITUMATE™

The physical properties of BITUMATE[™] allow it to perform differently than traditional quarried pavement materials.

The residual bitumen binder that is retained during the manufacturing process improves the mechanical interlocking and binding of each particle within the pavement.

Benefits include:

- · Reduced dust generation through traffic and normal wear & tear
- Increases the life expectancy of pavements
- · Decreases maintenance cycles and associated costs
- · Reuses reclaimed asphalt, thereby reducing disposal to landfill

PRODUCT SPECIFICATION

Test	Test Procedure	Grading Based Specification Limits	
		Sieve Size (mm)	Per cent Finer (%)
Particle Size Distribution	TSA-MAT-TP141	26.5	100
		19.0	90-100
		13.2	74-96
		9.5	61-85
		4.75	42-66
		2.36	28-50
		0.425	11-27
		0.075	4-14
Liquid Limit	AS 1289 3.2.2	Max 28%	
Plasticity Index	AS 1289 3.3.1	Min 1% Max 8%	
Linear Shrinkage	AS 1289 3.4.1	Max 4%	
LA Abrasion Grading B	AS 1141 .23	Max 45%	
Foreign Materials Type 2 (Plaster, Clay, Friable Material)	RMS T276	Max 1%	
Foreign Materials Type 3 (Plastic, Rubber, Wood)	RMS T276	Max 0.5%	
Bitumen Content	TSA-MAT-TP470	Max 4%	

Typical Density (MDD)	is 2.15t/m³
Typical Optimum Moisture Content (OMC)	6.0%







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