

## Civil Engineering & Construction Materials

### Asphalt



### Macka's Screened Sand

Macka's screened sand is extracted directly from our clean dune deposit and produced through a customised screening operation to ensure consistent ongoing quality and consistency essential for civil engineering construction.

Macka's Screened Sand				
Material Properties				
Method	Property		Specification	Comments
	Grading			
AS1141.11.1	Sieve (mm)	% Pass		
	1.18 mm	100		
	0.6 mm	100		
	0.425 mm	95		
	0.3 mm	50		
	0.15 mm	1		
AS1141.12	0.075mm	0.2	Report	RMS 3152
AASHTO T304-96 Method A	Angularity for aggregates used in SMA	43.3	>43%	RMS 3152
AS1141.4	Bulk Density (Loose)	1.48 T/m <sup>3</sup>		
	Bulk Density (Compacted)	1.61 T/m <sup>3</sup>		
AS1141.5	Particle Density (SSD)	2.64 T/m <sup>3</sup>	Report	RMS 3152
	Particle Density (DRY)	2.63 T/m <sup>3</sup>	Report	RMS 3152
	Particle Density (Apparent)		Report	RMS 3152
	Water Absorption	0.2%	≤1.5%	RMS 3152
ISSA Bulletin 1445	MBV Value	1	-	Very Low

Macka's Screened Sand				
Material Properties				
Method	Property		Specification	Comments
AS1141.31	Light Particles	0	< 1%	Extremely Low
AS1141.33	Clay & Fine Silt	2	-	Very Low
AS1141.34	Organic Impurities	Fail	If fails do AS1289.4.1.1 must be <0.5	Conduct AS1289.4.1.1
AS1289.4.1.1	Organic Matter	0.1	<0.5	Pass- low content
AS1012.20	Chlorides	0.002%	< 0.0126%	Very Low
	Sulphates	<0.001%	<3%	Extremely Low
AS 1289.4.3.1 – 1997	pH	6.1	-	-
Petrographic Examination	Hard, Strong, and durable, Physically suitable for asphalt applications	98% free silica	-	-

*Please Note: The information provided in this product guide should be used as a guide only. For further details or for design and application support, please contact us.*

*Macka's Sand and Soil:*

*P: +61 2 4982 6227 | E: [sales@mackassand.com.au](mailto:sales@mackassand.com.au)*

*A: 2684 Nelson Bay Rd, Salt Ash, NSW 2318*