

PRODUCT DATA SHEET (TYPICAL RESULT VALUES)

Site:	All Boral Vic sites	Product:	Stabilized Road base (Example: Class 3 below)
Source Type:	Natural and Recycled	Specification Ref:	RC500.02 & Sect 812

Sieve Size (mm)		Typical Result % Passing	Specification Limits % Passing
Particle Size & Distribution – AS1141.11.1	26.5		100
	19.0		95 - 100
	13.2		75 - 95
	9.5		60 - 90
	6.7		-
	4.75		42 - 76
	2.36		28 - 60
	0.425		14 - 28
	0.075		6 - 13
Test Method		Typical Result	Specification Limits
Unsound Rock (%) - AS 1141.30.1			Max. 10
Unsound & Marginal Rock (%) - AS 1141.30.1			Max. 20
Maximum Dry Density - Modified (t/m3) - AS 1289.5.2.1			-
Optimum Moisture Content (%) - AS 1289.5.2.1			+0.5 – 1.0 of Optimum
Binder Type / Cement Content (%) - AS5101.3.3		GP / 3	+/-0.3
Unconfined Compressive Strength (MPa) - AS5101.4			Minimum 7 Day Mean UCS <u>4 MPa</u> – Pavement Design Modulus ≤500 (MPa) <u>5 MPa</u> – Pavement Design Modulus >500 or ≤3500 (MPa)

Product Working time/ Unloading suggestions:

Whether the material is Natural or Recycled, all stabilized road base products have a setting time that is dependent on various factors such as weather conditions, percentage of binder added, moisture content etc.

Victorian Roads (DTP) provide maximum allowable working time after mixing of common cementitious binders in table 306.091 for different periods. Please find the link below:

<https://content.vic.gov.au/sites/default/files/2024-05/Section-306-Cementitious-Treated-Pavement-Subbase-%28v5%29.doc>

In line with 306.091, Boral has conducted testing of the Recycled and Natural rapid setting binder and recommend tipping the Cement treated Road base materials within 2 hours of dispatch from the plant.

All normal unloading practices should be adhered to within this 2-hour period such as ground and weather conditions, spotters and positive communication etc.

Beyond the 2-hour period, the project site supervisor needs to be advised and, if tipping is to continue, additional safety measures should be put in place.

These may include minimal raising of tipper body with confirmation of tipping flow, positive communication of flow or mechanical assistance in removing load.

The above are all recommendations only and can vary from different site and environmental conditions.

No load should be tipped if deemed unsafe to do so.