

**Product Description**

MMS Roadmaker Stabiliser is a high quality ground stabilisation product manufactured at the Darwin facility in East Arm. MMS RoadMaker is specifically formulated to be used as a substrate stabilisation additive for construction of roads and civil infrastructure. The MMS Roadmaker blend provides Northern Territory road construction projects with one of the highest value stabilisation material options available.

**What is Roadmaker?**

MMS Roadmaker is a mineral blend formulated to provide long lasting strength and stabilisation properties when blended with road subgrade materials. The materials are ground to a mean particle size of 20 microns to maximise it’s utilisation factor in soils. MMS Roadmaker contains a minimum Calcium oxide content of 70% to meet Australian Standards for stabilization materials with NATA accredited CBR and quality testing completed.

A number of large scale road construction projects, including works to the Arnhem Highway, Victoria Highway, and Buntine Highway in the Northern Territory have seen exceptional stabilisation results following the use of MMS Roadmaker.

**Civil/Industrial sector:**

MMS Roadmaker is spread on top of subgrade materials then wet with a water truck to activate the Calcium Oxide component, this process is known as lime slaking. The slaked material is then blended with subgrade material using mixing equipment such as road reclaimers, rotary mixers, and graders. The subgrade mixture is left for a period of 24-72 hours to allow for the reaction between the components to occur prior to further works/treatment.

The resulting subgrade material presents a substantial reduction in soil plasticity, a large increase in bearing capacity, and increased shear strength. The MMS Roadmaker formula targets long lasting stabilisation effects.

**Packaging options:**

- 1200 kgs Bulker Bags
- Road Tankers
- ISO Containers

**Safety Information**

Personnel should wear protective clothing, dust-proof goggles, preferably faceshield, PVC or rubber gloves and impervious boots. While using large quantities, wear coveralls. Care should be taken to protect the product from moisture as it swells when moist and may burst containers. For full information, refer to the Safety Data Sheet for Quicklime.

PROPERTIES		TYPICAL
CaO Content	AS2350.2 XRF	70% Min
PROPERTIES		TYPICAL
MAGNESIUM OXIDE	XRF	5.0%
SILICON DIOXIDE	XRF	2.5%
ALUMINIUM OXIDE	XRF	1.0%
IRON OXIDE (FE2O3)	XRF	0.3%
Kg / Ha coverage	-	20 - 100
Mean Avg particle size	-	20µm

**Contact points:**

Email: sales@micronisedminerals.com  
Phone: +61 8 8947 1872  
Micronised Minerals Australia  
ABN 67 126 378 318  
10, Champion Road, East Arm NT 0828

PHYSICAL PROPERTIES	
Grain size <300µm	>95%
Residue on slaking (AS 4489.2.1)	6.82% on 150µm
Bulk Density	950 - 1100kg/m <sup>3</sup>

**Disclaimer**

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