

M250 Aglime

PRODUCT DATA SHEET

M250 Aglime is a naturally occurring limestone that is ground into a fine product and used as an ameliorate in neutralising acidic soils.

M250 Aglime is an effective soil neutraliser due to its high-calcium carbonate content and very fine particle size. The effectiveness of a liming agent depends on its neutralising value (NV) and the material's fineness.

TYPICAL APPLICATIONS

Acidification is a major problem on Australian farms and can reduce a crop's yield significantly. Acidification is brought on by:

- The leaching of nitrate nitrogen, particularly under annual pasture
- Removal of crop products from the farm, especially legume hay
- Inappropriate addition of nitrogenous fertilisers
- Increasing levels of organic matter

BENEFITS

M250 Aglime may assist with an increased yield by:

- Promoting plant growth
- Increasing fertiliser efficiency
- Aerating heavy soils
- Returning soil pH to conditions that best suit crop performance

TECHNICAL FEATURES

Neutralising Value

Neutralising value is a measure used to define a material's ability to reduce soil acidity. **M250 Aglime** has a very high neutralising value making it an especially effective ameliorate.

M250 Aglime typical neutralising value AOAC Test Method No. 955.01

Whole sample	88 - 98
1 mm to 250 microns	88 - 98
250-270 microns	88 - 98
< 75 microns	88 - 98

Data based on limestone tested under laboratory conditions.

Chemical Composition

M250 Aglime's high standard chemical composition ensures it possesses the qualities required to neutralise earth in the poorest of conditions.

Typical M250 Aglime chemical analysis Australian Standard Test Method No. 2350.2

CaCO ₃	80-95%
MgCO ₃	1-3%
SiO ₂	2-10%
H ₂ O (free)	<1% exit-bin

Data based on limestone tested under laboratory conditions.

Material Fineness

The particle size distribution and, in particular, the proportion of material sized less than 250 microns demonstrates the material's fineness.

M250 Aglime Typical particle size distribution (min. % passing) Australian Standard Test Method No. 1152

600 microns	100%
250 microns	>98%
125 microns	>90%
90 microns	>80%
75 microns	>72%
63 microns	>61%
<63 microns	<35%

Data based on limestone tested under laboratory conditions.

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CLEAN UP AND STORAGE

All limestone products should be stored in a cool, dry environment, under cover and off the ground wherever possible. Ensure containers are adequately labelled, protected from physical damage, and sealed when not in use.

Avoid contact with acids, fluorine, aluminium (hot), and ammonium salts. Calcium carbonate reacts with acids and acidic salts to generate gaseous carbon dioxide with effervescence (bubbling). The reaction with concentrated solutions of acids is rapid and exothermic. The effervescence can create extensive foaming.

SAFE HANDLING

Under normal conditions of use, adverse health effects are not anticipated with this the use of product. However, safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating.

Prolonged or repeated exposure to **M250 Aglime** may result in mild irritation and rash. Eye contact may result in mild irritation, lacrimation, and redness. Where dust may be encountered (in emptying bags or in working in a lime handling plant), workers should wear safety glasses with side shields, or safety goggles, as a precaution. Where an inhalation risk exists, workers should also wear a minimum Class 1 respirator.

For further safety information consult the **Safety Data Sheet** for the product available at www.boral.com.au/cement.

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