



# Australian Builders Hydrated Lime



**Australian Builders** hydrated lime contains high free calcium hydroxide content complying with the Australian standard AS 1672.1: Limes and limestones -Lime for building. Hydrated Lime can be used in cement/sand mortars and renders to improve workability, plasticity and durability.

## APPLICATIONS

Australian Builders hydrated lime can be used in following applications.

- Mortars
- Plasters
- Renders
- Asphalt
- Road Soil stabilisation
- Paving
- Sewerage treatment
- Water treatment

## TYPICAL PROPERTIES

Chemical Composition		
Oxide	AS1672.1-1997	Typical analysis (%)
SiO <sub>2</sub>	No requirement	1.8
Al <sub>2</sub> O <sub>3</sub>	No requirement	0.5
Fe <sub>2</sub> O <sub>3</sub>	No requirement	0.6
CaO	No requirement	72
MgO	No requirement	1.0
Loss on Ignition	No requirement	24.0
CO <sub>2</sub>	<5%	2.5

## PHYSICAL PROPERTIES

Fineness	Typical fineness is 0.1% retained on a 75 µm sieve and less than 0.05% on as 250 µm sieve
Specific Gravity (kg/m <sup>3</sup> )	2.2-2.3
Bulk Density (kg/m <sup>3</sup> )	400-600

## AVAILABL LIME INDEX

In accordance with the standard specification AS 1672.1 Australian Builders Hydrated lime has an available lime index, expressed in terms of calcium hydroxide. Australian Builders Hydrated Lime typically has Ca(OH)<sub>2</sub> in the range of 85-90%.

## COLOUR

Australian Builders hydrated lime is white in colour.

## MORTAR AND RENDER WITH HYDRATED LIME

### MIX PROPORTIONS (BY VOLUME) FOR MORTAR/RENDER

The table below shows the mix proportions that can be used to produced mortar/render mixes. Hydrated lime can be used to get better workability. (Note: This information is a guide only, specific advice should be searched for the special projects)

APPLICATION	MORTAR TYPE (AS 3700)	CEMENT	HYDRATED LIME	SAND
General Use (Additional workability)	M3	1	1	6

## HANDLING AND STORAGE

Manual handling of bag products without due care and attention may result in personal injury. Unless you have been trained in manual handling methods. It is suggested that you share the load with another person.

Australian Builders hydrated lime can be stored up to twelve months provided it is stored in a place dry place which is protected from ingress of moisture. Storage areas for bagged lime must be covered to prevent ingress of moisture.

## SAFETY INFORMATION

For safety information refer to the safety data sheet (SDS) for Hydrated Lime. SDS is available in [www.bpsaust.com](http://www.bpsaust.com)

## RELEVANT AUSTRALIAN STANDARD

AS 1672.1 Limes and limestones -Lime for building. Hydrated Lime

## AVAILABILITY

Hydrated lime is available in 20kg bags.

