

# TECHNICAL DATA SHEET EASY MIX WHITE CEMENT



## PRODUCT DESCRIPTION

Easy Mix White Cement is a general purpose cement which meets Australian Standard AS3972, Type GP.

It has been specifically manufactured for concrete, mortar, render and plaster or any other project requiring a high strength cement with decorative characteristics. When combined with white/light coloured aggregates and sands the mixed product can produce a white/light colour or if combined with inorganic pigments, coloured products reflecting the pigment colour can be achieved depending on the dose used.

## PRODUCT PACKAGING

Easy Mix White Cement is available in 20kg bags.

## PRODUCT COMPATIBILITY

Easy Mix White Cement may be blended with other cements complying with AS3972. It is also suitable to blend with fly ash and / or blast furnace slag complying with AS3582.

## MIX RATIOS

The following mix ratios are based on a 20kg bag of Easy Mix White Cement:

Note: Selection of appropriate white/light coloured sand and stone is essential if trying to achieve a white coloured finish.

	CEMENT	SAND	STONE	LIME	BAGS m <sup>3</sup>
Strength	1	1.5	3	n/a	21
General Use (paths, paving etc.)	1	2.5	4	n/a	16
Mortar	1	4	n/a	n/a	n/a
Mortar Composite	1	6	n/a	1	n/a
Render and Plaster	1	3	n/a	n/a	n/a

## APPLICATION INSTRUCTIONS

1. Choose and calculate the appropriate aggregates to mix with Easy Mix White Cement depending on usage/application.
2. Accurately measure the cement and aggregate, mixing thoroughly until an even consistency and colour is achieved. Note: This is particularly important for light coloured mixes as differences in the shade of the final product can occur due to difference in mix proportioning.

3. Add water slowly and continue mixing until the mixture is the right consistency. Avoid overwatering as this will lower the strength of the mix. Note: For light coloured mixes, water must be clean. Avoid use of bore water. Note: Mixing equipment must be clean. Use of stainless steel or non-ferrous mixing equipment is suggested for best results.
4. For concrete, place and compact the mix well, being careful not to over-finish the surface. Note: Use of stainless steel finishing tools will reduce risk of discolouring.

## PRODUCT CURING

Allow a minimum period of seven days for curing, maintaining a moist condition where possible. Periodic water spraying is the safest curing technique that avoids surface discolouration for white/light coloured products.

For normal class concrete, curing can produce a compressive strength of 80% - 100% greater than concrete not subjected to curing. Water application or moisture retention curing is more effective for lower grades of concrete.

For concrete strengths of 40MPa and above, curing is equally important. However, the type of curing mechanism is considered to be less critical. Curing will also affect other concrete properties including:

- Reduction in the potential for plastic cracking
- Improved surface quality, durability and impermeability
- Improved abrasion resistance
- Reduction in carbonation rates

## TECHNICAL PERFORMANCE

The following table provides an example of some typical cement properties of Easy Mix White Cement:

PROPERTY	AS3972	
Initial Set Time	1.0-2.0hrs	45mins (min)
Final Set Time	2.0 - 3.0hrs	6hrs (max)
Constancy of Volume	2.0mm	5.0mm (max)
Fineness Index (per kg)	360 - 420m <sup>2</sup>	
3 day Comp. Strength	30 - 40MPa	
7 day Comp. Strength	40 - 50MPa	35MPa (min)
28 day Comp Strength	55 - 65MPa	45MPa (min)

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## PRODUCT STORAGE

Easy Mix White Cement will keep for up to six months if kept in a dry store, off the ground and providing the bags remain sealed.

High temperature and high humidity conditions may reduce the storage life of the product.

## PRECAUTIONS FOR USE

Easy Mix White Cement contains cement powders including crystalline silica which can be harmful to the skin.

During use, avoid inhalation of dust and contact with the skin and eyes. Wear suitable clothing, gloves, eye protection and

respiratory protective equipment.

If contact with the skin occurs, thoroughly clean the area with plenty of fresh water and soap. In case of contact with the eyes rinse with plenty of fresh water and seek medical advice.

If swallowed, seek medical attention immediately. **Do not induce vomiting.**

For further information consult the Material Safety Data Sheet and read the product label carefully before use.

Material Safety Data Sheets are available by phoning 1800 077 744.

## PLEASE NOTE

The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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