



ACS CEMENT GP

NEW AGE TECHNOLOGY CEMENT

CONSTANT PERFORMANCE

DESCRIPTION

ACS Cement GP is a general purpose cement which meets AS3972, type GP.

It has been specifically manufactured for concrete, mortar, render, plaster, foundations and any other project requiring a high strength cement.

PACKAGING

ACS Cement GP is available in 20kg bags.

COMPATABILITY

ACS Cement GP 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 AS 3582.

APPLICATION

- 1 Choose and calculate the appropriate aggregates to mix with ACS Cement GP depending on usage (use the table on the following page as a guide).
- 2 Accurately measure the cement and aggregate and mix thoroughly until an even consistency and colour is achieved.
- 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.
- 4 Place and compress the mix well, being careful not to over-finish the surface.

CURING

Allow a minimum period of seven days for curing, maintaining a moist condition where possible. Water sprays, wet sand or moisture retaining techniques, such as polyethylene sheets or curing compounds can be utilised.

For normal class concrete, curing can produce a compressive strength 80 - 100% greater than concrete not subjected to curing. Water application or moisture retaining 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
- Improvements in surface quality, durability and impermeability.
- An improvement in abrasion resistance
- Reduction in the carbonation rate

CLEAN UP

Clean all surrounding areas and surfaces immediately with water, ensuring no waste or contaminated water ends up in drains or waterways.

STORAGE

ACS Cement GP will keep for up to 12 months if kept in a dry store, off the ground and providing the bags remain sealed. High temperature and high humidity conditions may alter the cement properties and reduce the storage life of the product.

HEALTH AND SAFETY

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 (MSDS) and read the product label carefully before use.

MSDS documents are available by phoning 1800 077 744.

MIX RATIOS

20kg bag of ACS Cement GP					
Application	Cement	Sand	Stone / Gravel	Lime	Bags per m ³
High Strength / Water Tight	1	1.5	3	n/a	21
General Use	1	2.5	4	n/a	16
Foundations / Large Areas	1	2.5	5	n/a	14
Mortar	1	4	n/a	n/a	n/a
Mortar Composite	1	6	n/a	1	n/a

TECHNICAL PERFORMANCE

Typical Cement Properties			
Property	Type GP	AS3972	
Setting Time (Initial)	1.5-2 hours	45 minutes (minimum)	
Setting Time (Final)	2.5-3 hours	10 hours (maximum)	
Constancy of Volume (sounding test)	1.0mm	5.0mm (maximum)	
Fineness Index	400-440m ² /kg		
Compressive Strength (Mortar)	3 days	34-36MPa	
	7 days	48-50MPa	25MPa (minimum)
	28 days	59-63MPa	40MPa (minimum)



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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.

APPLIED CONCRETE SOLUTIONS

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