



GENERAL PURPOSE CEMENT - KWINANA

PRODUCT DESCRIPTION

Swan Cement produces General Purpose Cement, Type GP, conforming to Australian Standard AS 3972.

General Purpose Cement is manufactured to exacting standards at our Kwinana Works in Kwinana, Western Australia, for use in the construction and building industry and in domestic applications.

SUPPLY

General Purpose Cement is available in 20 kg bags from the Kwinana Works and Customer Service Centres in regional areas.

SPECIFICATION

General Purpose Cement exceeds the minimum specification given in AS 3972. General Purpose Cement is manufactured under a third party certified manufacturing and supply quality assurance system to ISO 9001 (BSI Certification No FS 604665).

General Purpose Cement is produced from Portland cement clinker and gypsum, and may contain up to 7.5% mineral additions.

APPLICATIONS

General Purpose cement is ideal for use in structural concrete, mortars, renders, grouts and cement based products, and can also be used as a general binder in areas such as soil stabilisation.

Supplementary cementitious materials:

General Purpose Cement is compatible with Fly ash, Amorphous Silica, and Ground Granulated Blast Furnace Slag conforming to the relevant sections of AS 3582.

Admixtures for concrete:

General Purpose cement is compatible with concrete admixtures complying with AS 1478.

TYPICAL PROPERTIES

General Purpose Cement as its name suggests, is the traditional basic cement used in industry. It is normally used when the special properties of low heat of hydration (temperature rise), high sulfate resistance or high early strength are not required.

Typical Physical Properties

Test	Typical Values	AS 3972 Requirement
Fineness Index (m ² /kg) AS 2350.8		
	370 - 450	-
Setting Time (hr:min) AS 2350.4		
Initial	2:10	Min 0:45
Final	3:10	Max 6:00
Soundness (mm) AS 2350.5		
	< 3	Max 5
Compressive Strength ISO-CEN mortar bars (MPa) AS 2350.11		
3 Day	35 - 45	-
7 Day	45 - 55	Min 35
28 Day	55 - 68	Min 45

Typical Chemical Properties

Test	Units	Max AS 3972	Typical Values
Sulphur Trioxide	%	3.5	3.1
Loss on Ignition	%	-	1.3 - 3.3
Chloride	%	0.1	0.01
Equivalent Alkalis	%	-	0.5
Hexavalent Chromium	mg/kg	-	Trace
Crystalline Silica	%	-	Trace
Components			
Portland Clinker	%	-	85 - 93
Gypsum	%	-	5 - 7
Mineral Addition	%	7.5	up to 7.5

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.

General Purpose Cement can be kept for up to six months provided it is stored in a place, off the ground, protected from ingress of moisture. Ingress of moisture can occur due to rain, liquid spillage (on or around the product) or a high humidity climate. Such exposure will degrade the performance of the product

SAFETY INFORMATION

For safety information refer to the Safety Data Sheet for General Purpose Cement.



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CONTACT POINTS

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