



### SULPHATE RESISTING CEMENT

#### Product Description

Independent Cement's Sulphate resisting Cement, Type SR, complies with Australian Standard AS 3972, as Type GB and Type SR cement.

Sulphate resistance can be achieved by blending Ground granulated blast furnace slag (GGBS) and/or Flyash with GP Cement. Proportion of GGBS and/or Flyash can be altered to increase the durability depending on the application.

SR Cement is manufactured under a third party certified manufacturing and supply quality assurance system to AS/NZS ISO 9001.

#### Applications

Sulphate resisting Cement can be used in aggressive environments where increased durability is required, mass concrete where reduced heat liberation is a benefit and in marine applications.

#### Typical Properties

The following tables provide some typical Chemical and physical properties of the Cement supplied by Independent Cement.

Chemical Properties		
Test	Units	General Purpose Cement
Loss on Ignition	%	2.7 – 3.6
Chloride	%	0.010
Hexavalent Chromium	mg/kg	< 10
Crystalline Silica	%	< 1
Components		
Portland Clinker	%	Various
GGBS and/or Flyash	%	Various
Gypsum	%	5 - 7
Mineral Addition	%	up to 7.5

Physical Properties		
Test	Blended Cement	AS 3972 Requirement
Fineness Index (m <sup>2</sup> /kg) AS 2350.8	370 - 430	
Setting Time (hr:min) AS 2350.4		
Initial	3:00	Min 0:45
Final	4:30	Max 10:0
Soundness (mm) AS 2350.5	<1	max 5
Compressive Strength ISO-CEN mortar bars (MPa) AS 2350.11		
3 Day	21	-
7 Day	34	20
28 Day	57	35

#### General Blended Cement is compatible with:

- Admixtures that comply with AS 1478

#### Handling and Storage

Transportation can be in bulk tankers or in Bulker bags. General Purpose Cement may be stored in concrete or steel silos for up to one (1) year. Protection against ingress of moisture must be observed throughout the handling and storage. It is recommended that the cement be retested if the age of cement exceeds three months.

This product contains trace quantities of Hexavalent Chromium. For more information please refer to the Material Safety Data sheet, found at

[www.independentcement.com.au](http://www.independentcement.com.au)