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# High Early Strength Crème Cement

## PRODUCT DESCRIPTION

Cockburn Cement produces Crème High Early Strength Cement conforming to AS 3972.

Crème is an Off-White Type HE cement. This product is manufactured to exacting standards at our Kwinana Works in Kwinana, Western Australia, for use in the precast, construction and building industry as well as in domestic applications.

## SUPPLY

Crème High Early Strength Cement is available in bulk & and 20 kg multi-walled paper bags from the Kwinana Works and the Customer Service Centres in regional areas. Paper bags are palletised and stretch wrapped.

## SPECIFICATION

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

Crème High Early Strength Cement is produced from Portland cement clinker and gypsum, and may contain up to 7.5% mineral additions.

## APPLICATIONS

Crème High Early Strength Cement is versatile in its use and has numerous applications. For example, in-situ concrete, precast concrete, concrete masonry, paving blocks, concrete tiles, garden furniture, glass reinforced cement (GRC), mortar and wherever a light coloured finish is required. Off-white cements are also often used for architectural purposes.

Crème High Early Strength Cement has a high C<sub>3</sub>A content and it should not be used in any situation where sulfate attack is likely.

Admixtures for concrete:

Crème High Early Strength cement is compatible with concrete admixtures complying with AS 1478.

## TYPICAL PROPERTIES

### Physical Properties

Test	Typical Values	AS 3972 Requirement
Fineness Index (m <sup>2</sup> /kg) AS 2350.8		
	390 - 470	-
Setting Time (hr:min) AS 2350.4		
Initial	1:50	Min 0:45
Final	2:55	Max 6:00
Soundness (mm) AS 2350.5		
	< 3	max 5
Compressive Strength ISO-CEN mortar bars (MPa) AS 2350.11		
3 Day	33 - 45	25
7 Day	42 - 55	40
28 Day	51 - 63	-

### Chemical Properties

Test	Units	Max AS 3972	Typical Values
Sulphur Trioxide	%	3.5	3.2
Loss on Ignition	%	-	3.8 – 5.4
Chloride	%	0.1	0.01
Equivalent Alkalies	%	-	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

Transportation may be in bulk road or rail tankers or in paper bags. Crème High Early Strength Cement can be stored in concrete or steel silos and paper bags for up six months provided that protection against ingress of moisture is observed throughout the storage of the product.

## SAFETY INFORMATION

For safety information refer to the Safety Data Sheet for Crème High Early Strength Cement.

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## CONTACT POINTS

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