

ADBRI EVOCEM™

Adbri Evo cem™ is a Type GL cement conforming to Australian Standard AS 3972-2010 as a general purpose limestone cement. Evo Cem™ reduces the embodied carbon of cement by up to 8% compared with Cockburn Cement's Type GP cement, as verified in Adbri's Cement EPD.

Evo cem™ is manufactured to exacting standards at our Munster works in Perth, Western Australia, for use in the construction and building industry, and domestic applications.

SUPPLY

Evo cem™ is available in bulk from the Munster works.

SPECIFICATION

Evo cem™ exceeds the minimum specification for Type GL cement given in AS 3972. Evo cem™ is manufactured under a third party certified manufacturing and supply quality assurance system to ISO 9001 (BSI Certification No FS 604665).

Evo cem™ is produced from Portland cement clinker, gypsum, limestone, and may contain between 8 % and 20 % limestone as a mineral addition.

APPLICATIONS

Evo cem™ is ideal as a Type GP cement alternative in structural and general concrete applications, as a general binder for soil stabilisation, and in cement based products

Supplementary cementitious materials:

Evo cem™ is compatible with Fly ash, Amorphous Silica, and Ground Granulated Blast Furnace Slag conforming to the relevant sections of AS 3582.

Admixtures for concrete:

Evo cem™ is compatible with concrete admixtures complying with AS 1478.

TYPICAL PROPERTIES

Adbri Evo cem™ typically has lower associated carbon emissions from its manufacture compared with a Type GP cement, while maintaining similar performance properties to Type GP cement.

Typical Physical Properties

Test	Typical Values	AS 3972 Requirement
Fineness Index (m ² /kg) AS 2350.8		
	400 - 500	-
Setting Time (min) AS 2350.4		
Initial	150	Min 45
Final	195	Max 600
Soundness (mm) AS 2350.5		
	< 2	max 5
Compressive Strength ISO-CEN mortar bars (MPa) AS 2350.11		
3 Day	35 - 45	-
7 Day	45 - 55	20
28 Day	52 - 62	35

Typical Chemical Properties

Test	Units	Typical Values	Max AS 3972
Sulphur Trioxide	%	2.3 – 2.7	3.5
Loss on Ignition	%	6 - 8	-
Chloride	%	0.02	0.1
Equivalent Alkalies	%	0.5	-
Hexavalent Chromium	mg/kg	Trace	-
Crystalline Silica	%	Trace	-
Components			
Portland Clinker	%	73 – 87	-
Gypsum	%	5 - 7	-
Mineral Addition	%	8 - 20	20

HANDLING AND STORAGE

Transportation may be in bulk road or rail tankers or in paper bags. Evo cem™ 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.

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.

Do not use if the product has become hard or lumpy.

**COCKBURN
CEMENT**

an ADBRI company

ADBRI EVOCEM™**SAFETY INFORMATION**

For safety information refer to the Safety Data Sheet for Evocem™.

CONTACT POINTS

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