

**Ecocem Next Generation Cement is a certified CEM III/A +SR 42.5N cement supplied in 25kg bags. It is suitable for all uses including mortar, render, concrete and where specifications of EN 206-1 are required to produce stronger, more durable results with outstanding sulfate resistance. Ecocem Next Generation Cement is a specially formulated blend of traditional cement and Ground Granulated Blastfurnace Slag (GGBS) that results in a superior cement that can stand up to the toughest environment.**

Ecocem Next Generation Cement offers a high level of sulfate resistance and qualifies for the +SR suffix of BS 8500 and the BRE Special Digest 1. Conforming to this specification means Ecocem is a designated CEM III/A +SR. It can be used in all aggressive ground conditions where Sulfate Resisting Portland Cement (SRPC) would be used and those listed in the BRE Special Digest Part D. Ecocem Next Generation Cement is independently certified by the National Standards Authority of Ireland (NSAI) and is CE marked.

### FEATURES

- Certified as 42.5N
- Sulfate Resistant
- More resistant than ordinary cement to chemical attack
- Increased durability minimises repair requirements
- Reduces efflorescence
- Whiter, brighter colour
- Improved workability
- Up to 60% reduction in carbon footprint
- Responsibility sourced product

### APPLICATIONS

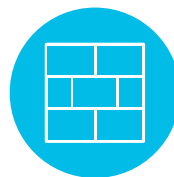
**Ecocem Next Generation Cement is suitable for use in all applications for high performance results. Its specially formulated blend can be used with all cement additives and admixtures when used in accordance with manufacturers' recommendations.**

The below mix designs are intended for guidance only. Users should carry out their own testings to ensure the right mix for their requirements. All proportions are based on volume and sufficient water should be added to achieve desired consistency. As with all applications care should be taken to prevent moisture loss and weather damage of finished work. Further information is available on request.



#### CONCRETE

1 x Cement  
2 x Concreting Sand  
3 x Aggregate (20mm)



#### MORTAR

1 x Cement  
4-5 x Building Sand  
**or**  
1 x Cement  
1 x Lime  
4-5 x Building Sand



#### SCREED

1 x Cement  
3-5 x Concreting Sand



#### RENDER

1 x Cement  
3 x Plastering Sand  
**or**  
1 x Cement  
1 x Lime  
6 x Plastering Sand

## STORAGE

The performance of Ecocem cement can be adversely affected by unsuitable storage conditions. Bags should be stored in dry conditions raised off the ground to protect against damage. Bags should always be stacked in a stable manner.



## TECHNICAL DATA

PROPERTY	UNITS	REQUIREMENT	ECOCEM CEM III/A
<b>Setting Time - Initial</b>	Mins	≥ 45	270
<b>Early Strength 2 day</b>	MPa	≥ 10	14
<b>Standard Strength 28 Day</b>	MPa	≥ 42.5 ≥ 62.5	59.3
<b>Colour</b>	L-Value	-	77
<b>Sulfate SO<sub>3</sub></b>	%	≤ 4	1.53
<b>Chloride Cl</b>	%	≤ 10	0.03
<b>Insoluble Residue</b>	%	≤ 5	0.38
<b>Loss of Ignition</b>	%	≤ 5	0.93

## HEALTH AND SAFETY

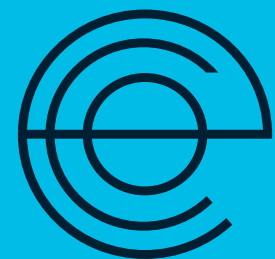
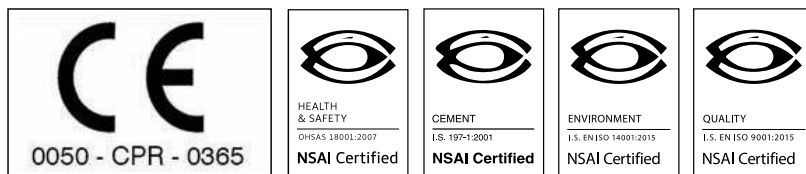
Cement is classified as an irritant under the Chemicals (Hazard Information and Packaging) Regulations. Suitable protective clothing must be worn at all times when handling cement. Keep out of reach of children. Cement contains Chromium (VI) which can cause an allergic reaction.

For further information on Chromium (VI) or any other safety information please consult the Ecocem CEM III/A Material Health and Safety Sheet available to download from our website.

## CERTIFICATION

Ecocem has been rigorously tested in accordance with the EN 197-2: Conformity Evaluation and has been issued with an EC certificate of conformity by and EU Notified Body and carries the CE mark 0050 - CPR - 0365.

A Declaration of Conformity is available on request.



**Innovation  
Powering  
Sustainability**

Version No: 181

