

CEM III/A 42.5N

Technical Data Sheet

Ecocem CEM III/A 42.5N cement is fully certified and suitable for all uses including ready-mix concrete, agri-concrete and precast concrete where specifications of EN 206-1 are required, producing a stronger, more durable results with a lower carbon footprint. Additionally, Ecocem CEM III/A can be used in soil and sediment stabilisation to improve strengths and improve chemical stabilisation.

Ecocem CEM III/A is a specially formulated blend of traditional cement and Ground Granulated Blastfurnace Slag that results in a superior cement that can stand up to the toughest environment. Ecocem CEM III/A is independently certified by the National Standards Authority of Ireland (NSAI) and is CE marked.

APPLICATIONS

Ecocem CEM III/A 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.

Suitable in just about any concrete application, our technical design team can support you with your mix design and product testings to ensure the right mix for your requirements.

Further information is available on request.



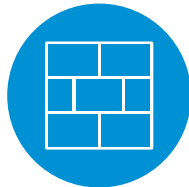
FEATURES

- Certified as 42.5N
- Resistant to all forms of chemical attack, including sulphates
- Increased durability minimises repair requirements
- Reduces the risk of efflorescence
- Whiter, brighter colour
- Improved workability
- Up to 60% reduction in carbon footprint



READY MIX CONCRETE

- High strength concrete
- Suitable for aggressive ground conditions
- Low carbon



AGRI CONCRETE

- Increased durability
- Increased resistance to chemical attack
- Longer life in farm environment



PRECAST CONCRETE

- Low carbon high strength
- Smoother, whiter finish



STABILISATION

- Soil and sediment stabilisation
- High chemical stabilisation
- Improved resistance to leaching
- High strength

STORAGE

The performance of Ecocem cement can be adversely affected by unsuitable storage conditions. Supplied in 30 tonne bulk tankers, direct to a silo.

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.



TECHNICAL DATA

PROPERTY	UNITS	REQUIREMENTS	ECOCEM CEM III/A TYPICAL VALUES
SETTING TIME - INITIAL	Mins	≥ 60	210
EARLY STRENGTH 2 DAY	MPa	≥ 10	13.5
STANDARD STRENGTH 28 DAY	MPa	≥ 42.5 ≥ 62.5	52.7
COLOUR	L-Value		76
SULFATE SO ₃	%	≥ 4	1.20
CHLORIDE	%	≥ 10	0.06
INSOLUBLE RESIDUE	%	≥ 5	0.15
LOSS OF IGNITION	%	≥ 5	1.37

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 an EU Notified Body and carries the CE mark 0050 - CPR - 0365. A Declaration of Conformity is available on request.



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