

Ecocem Next Generation Cement, the cement of choice for high quality render, is a unique product available in 25kg bags from builder's merchants nationwide.

Made from a blend of Ordinary Portland Cement and GGBS, a by-product from the production of iron, Ecocem cement is stronger and more durable than other products on the market. Due to its lighter colour and finer particle size, Ecocem cement gives a superior finish to all render and plastering work. Enhanced workability reduces the amount of plasticiser required and creates a fatter mix than traditional cement.

Previously only available in bulk for large construction projects, Ecocem is regularly specified for architectural concrete and exposed surfaces. Its increase durability against chemical, sulfate and chloride attack ensures render surfaces last longer and minimises the amount of repair and replacement required even in tough environments.



BENEFITS

- Improved workability
- Reduced plasticiser
- Smoother finish
- Whiter, brighter colour
- Great for wet dashing due to longer curing time
- Lower chance of cracking
- Increased resistance to freeze thaw action

PREPARATION

Before plastering your wall make sure your background is well brushed down and well keyed. Smooth or polished surfaces may require a bonding agent or primer. Highly absorbent surfaces such as sandstone or porous blocks should be well dampened with clean water immediately prior to rendering.

Make sure you use good quality materials to get the most out of your mix. High quality plastering sand should be used which is angular in texture. Plasticiser or lime can be used to aid workability and increase the consistency of the mix however Ecocem is a lot more workable than traditional cement and less plasticiser may be required.

Always follow manufacturer's instructions when using admixtures. Avoid applying external render in freezing conditions as this may affect the finish of the wall.

MIX PROPORTIONS

As the consistency of the mix is so important to the finish, trial mixes should be carried out before applying to the wall. Use the following guide to see how much Ecocem you need for your project:



APPLICATION	MIX PROPORTIONS
External or Internal Scud Coat	5:2 Sand:Ecocem
External or Internal Scratch Coat and subsequent coats	3:1 Sand:Ecocem
External or Internal Finish Coat	3:1 or 6:1:1 Sand:Lime:Ecocem

WORKABILITY

Ecocem is much more workable than traditional cement which means smaller amounts of lime and plasticiser are required when mixing. A trial mix is recommended to begin with, to get the right consistency for your job. Good quality materials should be used and manufacturer's guidelines adhered to when using admixtures. Sand and cement mixtures made with Ecocem will have increased consistency and give a fatter mix than traditional cement.

- **The addition of too much plasticiser or over mixing can add air which results in a weak and lower quality render.**



APPLICATION

The first coat or scud coat is thrown on to the wall which has been well brushed down and sprinkled with clean water in a 3-5mm thick coat. Ecocem creates a richer and fatter mix than traditional cement making it easier to apply to the wall. The scud coat is important as it acts as a key for the following scratch coat, ensuring the integrity of the finished render. Each coat should be left for 24 hours to cure properly before the next coat is applied. The second coat or scratch coat is applied over the scud coat in a 9mm thick layer using a trowel and a hawk. A plasticiser can be added to this mix to increase the consistency, however as Ecocem is naturally more workable this may not be required.

Having troweled the wall the next step is to rule the wall off with a lath to make sure its straight. This coat is then keyed with a scratcher to help the adhesion of the next coat. The third or finish coat is applied to the scratch coat after 24 hours in a 6-9mm thick layer. The wall is then completely floated before nap finishing to get an even texture, colour and to waterproof the wall.

CERTIFICATION

Ecocem has been rigorously tested in accordance with the EN 197-2 Cement - Part 2: Conformity evaluation and the EN 15167-2: Ground Granulated Blast furnace Slag and has been issued with an EC certificate of conformity by an EU Notified Body and carries the CE mark.



THE ECOCEM FINISH

- Ecocem's lighter colour and smoother finish means exposed walls can be left unpainted saving time and money.
- The whiter, brighter colour makes Ecocem ideal for wet and dry dashing and also means less pigment is required when mixing for coloured renders.
- Chlorides from de-icing salts as well as wind and rain in coastal areas can result in severe degradation of exposed render.
- The durability and strength of Ecocem safeguards the finish of your render for longer, minimising repair and replacements.



TECHNICAL ASSISTANCE

Further information on plastering using Ecocem is available on our website.

If you require further information or assistance please contact our dedicated technical support team on 01 678 1800 or send an email to info@ecocem.ie

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