

Eco-Render System

A system of lime plasters and renders
for every purpose

lime|green



Environmental benefits

What makes our Eco-Renders eco-friendly



Lime Green is one of the UK's most innovative and eco-dynamic suppliers of building products. All our products are designed, developed and manufactured to minimise impact to the environment.

Based on St Astier Natural hydraulic lime, they contain no toxic material and allow buildings to breath and move.

St Astier Lime is good for the environment too – its manufacture requires much less energy than other limes or cements, resulting in lower carbon emissions. As it sets, up to 60% of the lime absorbs some of the CO₂ released in its manufacture.

- Our products are up to three times lighter than other renders, costing less to transport and requiring less energy to transport them.
- Our products contain up to 55% recycled aggregates helping to significantly reduce landfill and the need to extract new aggregate.
- Our products are thermally and acoustically efficient – helping to save energy in the long term. They are five times more efficient than other renders and are ideal for use in 'hard to heat' homes.
- Our products are durable and long-lasting. They won't damage the backgrounds to which they are applied and help deal with damp and salts in walls without the need for chemical treatment.

Designed to be friendly to the environment, products in our Eco-Render range are fully compatible with all types of new build or renovation project. They also help to save energy and reduce CO₂ emissions

Our products in context
St Astier Limes are burnt at 900°C, compared to other limes which may be burnt at up to 1200°C and ordinary Portland cement, burnt at 1400°C.

UK industrial energy use:
12% making products for the building industry
12% transporting those products!

Application Summary

The Lime Green Eco-Render System

Eco-renders are available in two forms: **natural** or **modified**. Eco-Render Ultra and Duro natural products are completely eco-friendly and contain no artificial substances. Use in old buildings and in new buildings.

Eco-Render Ultra and Duro modified products contain a small proportion of synthetic material and can be used in all new buildings and other projects.



Eco-Render Ultra
Natural



Modified



Eco-Render Duro
Natural



Modified

Part of a multicoat system

Part of a multicoat system

Part of a multicoat system

Can be used as single coat

Performance Benefits

Please see our product datasheets for more information

Thermal Efficiency ✓✓✓✓✓

Breathability ✓✓✓✓✓

Water Resistance ✓✓✓✓✓

Durability ✓✓✓✓✓

Light Weight ✓✓✓✓✓

Eco-friendliness ✓✓✓✓✓

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Choose and Use Eco-Render: th

There's a product in our range that's best suited to your needs, for ne

Lime Green's Eco-Render range is unlike any other currently available in the UK, offering a major advance in eco-friendly building technology. Our premixed Eco-Renders all offer improved workability, high performance and consistent quality in a versatile range suited to a host of project applications.

Suitable for external or internal use as a plaster, Eco-Renders can be painted or finished in a self-coloured top coat.

The Eco-Render range is generally used as a multicoat system; for difficult to coat surfaces we have a solution through different bonding coats, an intermediate coat and finish coat provide warmth and texture.

Eco-Render Ultra

These products have excellent thermal efficiency – their insulation properties are up to five times better than normal renders, giving huge benefits in terms of comfort and warmth to buildings. Due to their low weight and thermal efficiency Eco-Render Ultra has excellent compatibility with light weight masonry or building components.

Eco-Render Duro

Offering many of the same benefits of the Eco-Render Ultra range they offer excellent performance in terms of durability and their ability to withstand impact in heavy traffic areas.

the four main options

ew build, conservation, renovation or insulation



Eco-Render – Natural versions

The natural versions of Eco-Render Ultra and Eco-Render Duro are completely environmentally friendly and contain no artificial substances.

Our Natural renders are non-toxic and do not contain plastics such as

Polyvinyl Alcohol (PVA) or Pulverised

Fuel Ash (PEA).

Our Natural renders are compatible with traditional construction techniques and allow for moisture to pass through the wall. They are 'breathable' rather than impervious and are flexible.

Eco-Render – Modified versions

The Modified versions of Eco-Render Ultra and Eco-Render Duro are based on the same materials used in the Natural versions, but also contain some cement and acrylic.

Our Modified renders are geared to the needs of present-day building methods, where ease of use and fast setting are among the primary considerations. The amount of cement used in their production has however, been minimised.

Why thermal efficiency?

1% of CO₂ emissions are the result of making building materials.
40% of CO₂ emissions are the result of running buildings.

1.3 million UK homes fall below Government targets for better homes owing to thermal inefficiency.

The cost of electricity and gas for heating homes is rising massively.

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