

Beating the Code with cheaper greener construction materials

Durisol UK is helping developers all over the UK meet the requirements of the Code for Sustainable Homes and at the same time cut the cost of construction by up to 30% with their affordable green construction materials.

Made from 80% recycled wood that is specially treated not to rot or burn, the Durisol product range comes with a 25-year guarantee as standard and is manufactured with low embedded energy, U values of

suitable to many different types of build.

"Rigorous assessments have shown that Durisol far outperforms more traditional masonry materials in every aspect of sustainability – everything from thermal performance, air tightness and breathability, to waste recycling, acoustic performance and fire safety; and because it's easier, cheaper and faster to lay, Durisol even outperforms on cost," said Mr Flower.

which can eliminate the need to hire in a third party, as Devon-based Atlantic Developments found when they used Durisol to build 12 apartments overlooking Ilfracombe Bay earlier this year.

Senior Partner at Atlantic Developments, Paul Jagers, explains how this helped his company save on the cost of construction.

"We're a company of carpenters, which means that we don't have the brick laying skills that are essential for most builds. Often, we experience difficulties in finding a reliable masonry specialist. As with any new product, there's a learning curve, but Durisol provided the help we needed on the phone and in person. Now we can lay Durisol ourselves, saving on the expense and inconvenience of hiring in a third party," said Mr Jagers.



Similarly Wynford Developments who are using Durisol to build two homes and a business unit, found that Durisol helped them cut onsite costs. Nicholas Grout, a Director at Wynford Developments explains the benefits Durisol brought to the project. "Durisol's blocks are delivered onsite ready insulated. Because they are quite literally stacked and then secured with a few metal rods before the concrete is poured in,



we've made significant savings on the cost of labour," said Mr Grout. In recent sound tests on Atlantic Developments' completed Ilfracombe project, acoustic performance came in at 61 db against a requirement of 45 db, which is relatively unheard of. The results were so extraordinary that testing was repeated and initial findings confirmed, which makes good reading in light of the

government's recently announced plans for mandatory acoustic testing for new schools.

As more developers respond to the requirements of the Code for Sustainable Homes, it is increasingly likely that Durisol and its substantial contribution to sustainability will find its way into more builds across the UK.

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- Nicholas Grout, Director, Wynford Developments

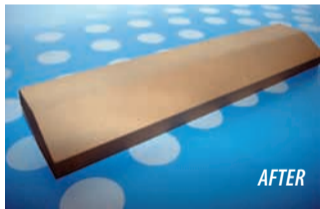
0.19 as standard and U values of 0.15 easily achievable down to 0.1. John Flower, Sales Director for Durisol UK explains why Durisol's recycled construction range is so

Unlike conventional methods of construction, Durisol's innovative recycled wood and cement interlocking blocks wall form system does not require brick laying skills

Repairing reconstituted stone



BEFORE



AFTER

The repair specialist, Plastic Surgeon, has introduced an innovative new technique for repairing reconstituted or wet-cast stone. Such 'manufactured masonry' is commonplace on modern construction projects, offering consistent strength as well as an almost unlimited selection of colours and finishes. These include exposed aggregate or grainy effects as well as the very popular smooth and etched surfaces. When damaged though, their repair can prove problematic; and often leads to the requirement for total replacement. The latest advancement Plastic Surgeon has developed involves a new method of application which produces a far finer coating and allows pattern detailing to be worked into the surface without the need for introducing additional textured material. Instead subtle variations are achieved by spraying or 'flecking' coloured pigment. The technique can also be combined with the use of Plastic Surgeon's proprietary three-part fillers to build up chips or other areas of damage so that a completely undetectable repair is affected. It would even be possible to use the new technique to change the colour of whole wall areas.

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Concept cladding

Marley Eternit's Natura Plus cladding and Cedral Weatherboard have been fitted on the Concept House development in Farnborough, Hampshire. The development achieved Level 3 of the Code for Sustainable Homes, which represents a 25 per cent improvement in energy efficiency over Building Regulations Part L1 (2006).

Marley Eternit's Natura Plus was installed as a rear ventilated rainscreen cladding system that partly helped the building meet the energy saving measures required by the Code. This cladding system is unsurpassed in helping designers meet thermal, condensation, noise and fire protection requirements. Natura Plus offered an aesthetic and cost effective method of cladding the exposed upper levels of the buildings.



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