

# MAKAR



## MAKAR

MAKAR have established a reputation for delivering high quality, energy efficient new build homes for our customers. In fact residential projects make up the majority of our work across Scotland.

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## Natural Energy Efficiency and Sustainability (NEES)

Best Practice in Products and Services

### 1. Service Description

"We're really pleased with the design. We came up with the goals for the project and Neil was very astute at working in our ideas. We accepted the first sketch design."

**Neil MacKenzie & Jane O'Donovan, Gorthleck**

### 2. 'Natural' and/or 'recycled' content

MAKAR buildings are designed to have a negligible impact upon the environment. Using natural materials is integral to this approach for several environmental reasons:

**Carbon emissions:** The natural materials we use are mostly from renewable resources and their contribution to carbon emissions will be minimal.

**Health benefits:** Natural materials represent an alternative to synthetic materials which can be harmful to your health. See our [healthy buildings](#) section to find out more.

**Aesthetic qualities:** Natural materials from the local area will weather and blend in better with their surrounding environment. See our [place and environment](#) section for examples.

**Afterlife:** Buildings made from natural materials can biodegrade into the soil after the lifetime of the building.

MAKAR takes a holistic view to construction by considering the whole life of a building including the legacy this building will leave after its lifespan. We believe in a cradle to cradle approach to manufacturing buildings which avoids the mixing of synthetic and natural materials which creates products that are difficult to dispose of after the building has outlived its purpose

3. Percentage of the product processed and / or manufactured in the NPP region

Project dependent

4. Recyclability / biodegradability

Project dependent

5. Contribution to energy efficiency in buildings

"I wanted to downsize my property. I always wanted to live in an ecological house somewhere rural with a bit more land, but I wanted a smaller, more manageable house... I was living in a sandstone building previously and it was far too expensive to heat... My new MAKAR house costs so little to heat. If I have the wood burner on for a few hours in the evening, I don't need to put it on the next day. The house seems to catch the sun and hold the heat. This is my dream house, I absolutely love it."

6. Lifespan

50 years

7. Costs – Product and maintenance

8. Examples of usage

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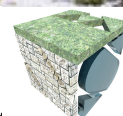
**Northern  
Periphery  
Programme**

2007–2013

Innovatively investing  
in Europe's Northern  
Periphery for a sustainable  
and prosperous future



European Union  
European Regional Development Fund



The above information was supplied by the producers/service provider and has been verified by the NEES Project.