

# Insulated Concrete Forms (ICF)

BarChip Reinforced EPS Wall Systems

**BarChip Inc.**

The Synthetic Fibre Experts

**BEWI**

*“BarChip Replaces Steel Reinforcement in EPS Wall Systems”*

**Project:** Villa Fonnes

**Builder:** Cato Bygg

**Location:** North Bergen, Norway

**Product:** Jackon Thermomur (Insulated Wall System)

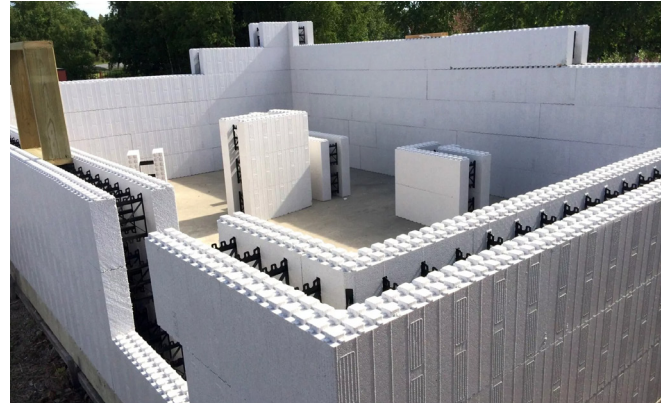
Sitting under the Northern Lights, the recently completed Villa Fonnes appears an idyllic wonder, if only appearances were true. Battered by North Sea winds all year round and covered in snowpack for large parts of it, Villa Fonnes had to be built to last.

A key part of this was the use of Jackon Thermomur EPS wall panels from BEWI. Core fill systems are a proven entity in residential construction, with well documented benefits in time savings and improved insulation. One of their few drawbacks is the time taken to install steel reinforcement within the form, which can take away some of the cost and time benefits the system delivered.

At Villa Fonnes, builder Cato Bygg overcame this by replacing the steel reinforcement with BarChip54 macro synthetic fibre. BarChip is mixed directly with the concrete and pumped into the concrete form, eliminating the time and cost of steel installation.

BarChip was used on all outside walls, including the second floor walls at Villa Fonnes.

Beyond the immediate cost and time benefits, BarChip eliminated any risk of corrosion, further improving the dwellings durability and sustainability.



Jackon Thermomur ICF Wall System



Villa Fonnes



Villa Fonnes

**BarChip Inc.**

info@barchip.com

Australia: +61 1300 131 158

N. America: +1 704 843 8401

EMEA: +353 (0) 1 469 3197

Asia: +65 6835 7716

S. America: +56 2 2703 1563

Brazil: +55 19 3722 2199



**BarChip Inc.**

The Synthetic Fibre Experts

Distributors are located in other regions. For contact details visit [www.barchip.com](http://www.barchip.com).

Disclaimer: This information has been provided as a guide to performance only, for specific and supervised conditions. The user is advised to undertake their own evaluation and use the services of professionals to determine the product suitability for any particular project or application prior to commercial use. ISO 9001:2015. VFonnes\_2023. © BarChip Inc. 2023

[www.barchip.com](http://www.barchip.com)