

EXMOUTH, DEVON

NEW BUILD - STRIP FOUNDATION WITH GEOCELL INFILL



Client: Tony & Wendy Smith

Tony's & Wendy's dream home - <https://tonywendyecobuild.wordpress.com/>

Contractor & timber frame supplier: Tribus Homes Ltd - <https://tribushomes.co.uk>

With a eco build in mind, GEOCELL was the material of choice for Tony & Wendy's "dream home". Designed to passive house standards the floor achieved a U value of 0.15 W/m²K).

It was the first time the building inspector had come accross GEOCELL, but the floor/foundation was signed off with no issues. Everyone was surprised how strong the floor was once compacted.

The specification/build-up was as below:

- Excavated ground/sub-soil with strip foundations
- Geotextile membrane separation layer.
- 375mm of compacted GEOCELL foam glass gravel.
- Geotextile membrane separation layer.
- Damp proof membrane.
- Concrete raft/slab.