

NATURAL BUILDING SYSTEMS ADEPT

Finalist

Product category



ADEPT, is a bio-based construction solution designed for adaptation, disassembly and re-use. Standardised, repeated elements combine with optimal material efficiency to make a system that is affordable, scalable and quick to build. Demountable panels allow partial or complete disassembly, re-use, as well as non-destructive alterations.

Key facts

- Product name:** ADEPT
- Manufacturer name:** Natural Building Systems
- Manufacture location:** Suffolk UK
- Product type:** Bio-based construction systems
- Application:** Floors, roof, external walls, internal walls
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- Thermal conductivity:** 0.26-0.10 Wm2K

Highlights

- No added formaldehyde OSB and spruce ply form prefabricated structural insulated cassettes.
- Use of hemp and other biogenic materials, means that sequestered carbon exceeds the embodied carbon of production.
- The system is designed to eliminate construction waste by the use of standardised, repeated components, manufactured using digital tools.
- Deploys exceptional hygrothermal properties of hemp to regulate indoor temperature, humidity, improve air quality and reduce summer overheating.

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