

modcell[®]

straw technology



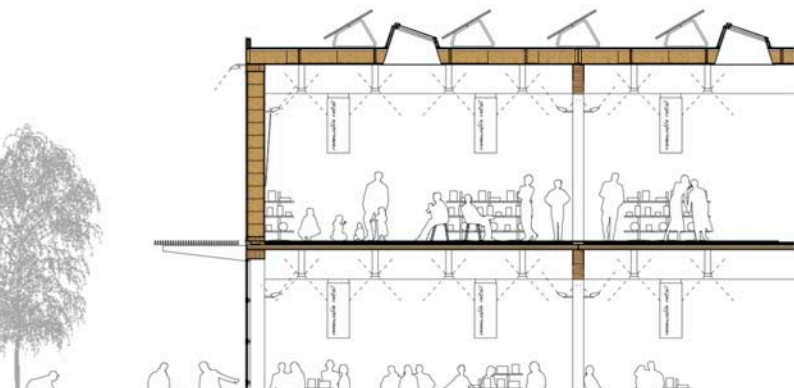
renewable retail

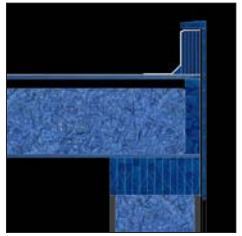
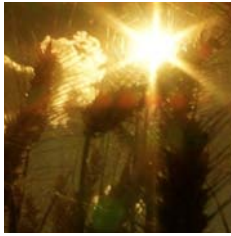
modcell[®]

renewable retail

ModCell[®] Renewable Retail is a high quality, fast, turn-key solution, that provides an attractive, affordable, sustainable and profitable retail space.

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Retail Value

ModCell® Renewable Retail is designed to meet the exacting requirements of the retail sector. Its modular format and range of panel sizes makes it very adaptable to a wide range of sites and applications:

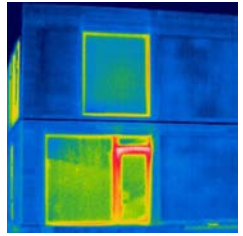
- large units on retail parks;
- small solutions for urban sites; and
- refurbishment/extension of existing facilities.

Speed of construction is a key benefit, bringing buildings into operation faster than traditional construction methods. ModCell® Renewable Retail's sustainable materials and low carbon business model support retailers' corporate social responsibility strategies.

Performance & Design Quality

The ModCell® Renewable Retail specification delivers an appropriate balance between high environmental performance and affordability.

Fire and moisture can be perceived as posing particular risks; this is a common misconception. ModCell® lime rendered panels have a fire rating of over 2 hours and have been subjected to accelerated weathering tests and a range of structural and performance tests at the BRE's Centre for Innovation in Construction Materials at Bath University. ModCell®'s robustness and longevity has been shown to be in line with conventional building techniques and materials.

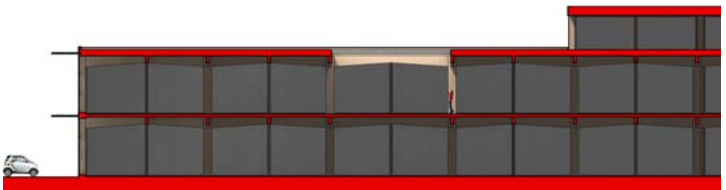


Economic Value

ModCell® Renewable Retail is a prefabricated, straw bale construction system that uses natural, low carbon renewable products and provides high levels of airtightness and thermal insulation.

The material palette and construction method combine speed with a wide range of aesthetic finishes to support brand identity. Building shells ready for fit out can be delivered for a reasonable cost per sq. metre.

We use local materials and labour to deliver a high quality, modern method of construction (MMC), reducing the negative environmental impacts of building. The prefabricated panels are constructed in a “flying factory”, located within ten miles of the construction site. This means we keep money in the local economy.





Technical

u-Values

ModCell® Core, non-rendered	0.13 - 0.14
ModCell® Core+, rendered	0.10 - 0.11
ModCell® Traditional rendered	0.18 - 0.19
UK Building Regs Cavity Wall	0.35

Sequestered carbon (PAS 2050 methodology)

3m x 3.2m panel	1400kg of CO ₂
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Fire rating (TRADA - Chiltern International Fire Ltd)

ModCell® Traditional	2hrs 15mins
ModCell® Core and Core+	Please call

Acoustics – sound reduction (BRE)

ModCell® Traditional	50db
ModCell® Core and Core+	Please call

Panel sizes

visit www.modcell.com for information

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ModCell[®] Renewable Retail is particularly well-suited to helping retailers reduce build programmes and achieve significant lifetime energy and carbon savings.

Contact

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