

Environmental Impact of Materials

Britmet Tileform are proud to be in partnership with the **Debut Range** provided by **Redrow Homes**.

The **Debut Range** is a totally affordable and an innovative new concept developed by **Redrow Homes** to help tackle the growing problems faced by first time buyers.

By using modern methods of construction to improve build efficiency and provide affordable housing with an Environmental impact of materials (roof) with a green guide rating of A.

Some of the completed sites using the **Britmet Tileform Slate 2000 Systems** are:

Water Edge, Stoke-on-Trent; Y Dolydd Ewloe, Flintshire; Debut Sittingbourne, Kent; Buckshaw Village, Chorley; Castle Vale, Birmingham; Hilton, Derby; Willens Green, Rugby; Selby, Yorkshire; Gelli Dawel, Merthyr Tydfil and Dol Gorwel, Bridgend, Mid-Glamorgan

Over 1500 New Build Homes have now had the Slate 2000 installed, making **Britmet Tileform Ltd** the largest supplier of Lightweight Roofing to the New Build Market.



Aim

To encourage the use of materials that have less impact on the environment, taking account of the full life-cycle.

Mat 4 - Environmental Impact of Materials

Total Available	Achieved
16	9

Development Features Relating to Credit

The Specification (clause. 15. Mat 4) and Section details (ref. Debut Series 001 to 0027) provided with the letter from Redrow Group Services Ltd dated 12th of May 2005. They confirm that the construction types used in the development are as follows (the % elemental area is shown for the worst-case dwelling):

Element (credits available)	Type	Specification	% Elemental Area	Green Guide Rating
Roof (3 credits)	1 *All:	Light steel tiles/ steel I-beams rafters/insulation (Slate 2000 product used in tests)	100	A
External walls (3 credits)	1 *All:	Brick / light steel frame / insulation	30	A
	2 *All:	Cement board / light steel frame / insulation	70	A
Internal walls (3 credits)	1 *All:	Non-loadbearing partitions: light steel frame / plasterboard	100	A
	2 *All:	Loadbearing partitions: light steel frame / plasterboard		
	3 *All:	Party walls: light steel frame plasterboard		
Floors (3 credits)	1 Ground floor:	Concrete slab / insulation / screed	50	C
	2 Upper floor (houses):	Steel I beams / chipboard	25	B
	3 Upper floor (flats):	Steel I beams / insulation / chipboard	25	B
Windows (2 credits)	1 u-PVC		100	C
Hard landscaping (1 credit)	1 Concrete paving		100	B
Fencing/ Boundary Protection (1 credit)	1 Timber close boarded		<80	A
	2 Brick		>20	C

*Although this type of roof/external wall and internal wall construction is not included in the Green Guide to Housing Specification, BRE have confirmed in an email 20th May 2005 that all three elements have a Green Guide rating of A.

Explanation of assessment

Credit is achieved where at least 80% by area of the elemental specification for the worst-case dwelling achieves an A-rating according to the Green Guide to Housing Specification (BRE 2000). Based on information provided, nine credits are achieved as follows:

Element	%A-rated	Credits	Element	%A-rated	Credits
Roof	100%	3	Windows	0%	0
External walls	100%	3	Hard landscaping	0%	0
Internal walls	100%	3	Fencing	<80%	0
Floors	0%	0			



Working in conjunction with Redrow Homes, Britmet Tileform Ltd has achieved a Green Guide Rating A for its Roofing Systems.

BRITMET TILEFORM LTD