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REPORT

CONCRETE : The Green Guide to Specification

The following information is intended to assist designers in the specification of Carter Concrete Products in conjunction with the Green Guide to Specification with focus on the Code for Sustainable Homes.

The Green Guide to Specification is part of the BREEAM family of assessment methods and tools and the following summary ratings provides a mechanism to directly compare construction elements. (BREEAM is the British Research Establishment, Environmental Assessment Method).

Material Credits available for each Green Guide rating :-

<u>Rating</u>	<u>Credit Available</u>
A+	3
A	2
B	1
C	0.5
D	0.25
E	0

The following list is not exhaustive and where no specification element matches the specification in your building, the BRE can be contacted for an up-to-date Green Guide Rating.

Please note that the following Green Guide Rating is for our products used in assessing the environmental profiles. Other values such as flood resistance, fire performances and acoustics should be used to ensure that the optimum specification for your building is made.

Construction :- Suspended concrete ground flooring.

<u>Element No.</u>	<u>Element Specification</u>	<u>Green Guide Rating</u>
20100004	Plywood on insulation on hollow core pre-stressed concrete units	A
20100012	Floor screed on insulation on hollow core pre-stressed concrete units	C
20100032	Floor screed on insulation on pre-stressed concrete Beam and dense concrete block infill flooring	C

Construction :- Precast Concrete Structure ; Suspended concrete flooring.

<u>Element No.</u>	<u>Element Specification</u>	<u>Green Guide Rating</u>
7280033	Chipboard decking on timber battens on pre-stressed concrete Beam and dense concrete block infill flooring and plasterboard ceiling	A
7280034	OSB decking on timber battens on pre-stressed concrete Beam and dense concrete block infill flooring and plasterboard ceiling	B

7280035	Plywood decking on timber battens on pre-stressed concrete Beam and dense concrete block infill flooring and plasterboard ceiling	B
7280039	Cement/sand screed on pre-stressed concrete Beam and dense concrete block infill flooring and plasterboard ceiling	C
7280045	Cement/sand screed on hollow core pre-stressed concrete and plasterboard ceiling.	D
7280038	Structural topping on pre-stressed concrete Beam and dense concrete block infill flooring and plasterboard ceiling.	B

Construction :- Separating Floors (Party Floors).

Element No.	Element Specification	Green Guide Rating
7910009	Pre-stressed concrete Beam and dense concrete block infill flooring, grouted using C30 mix, levelling screed, sand cement screed laid over 25 to 30mm resilient rock mineral wool slab 140kg/m3	C
7910002	Hollow core Pre-stressed precast concrete units, grouted using C30 mix, (screed), acoustic leg cradles, timber battens and t&g chipboard, 63mm thick void filled with insulation quilt.	A+
7910020	Hollow core Pre-stressed precast concrete units, grouted using C30 mix, (screed), acoustic leg cradles, timber battens and t&g OSB, 63mm thick void filled with insulation quilt.	A
7910016	Hollow core Pre-stressed precast concrete units, grouted using C30 mix, (screed), 5mm resilient layer, 19mm cement bonded particle board.	A
7910011	Hollow core Pre-stressed precast concrete units, grouted using C30 mix, (screed), 6mm separating layer, 65mm cement/sand screed.	D
7910018	Hollow core Pre-stressed precast concrete units, grouted using C30 mix, (screed), t&g chipboard laid over 25 to 30mm resilient rock mineral wool slab 140kg/m3.	D
7910007	Hollow core Pre-stressed precast concrete units, grouted using C30 mix, (screed), t&g OSB laid over 25 to 30mm resilient rock mineral wool slab 140kg/m3.	D
7910008	Hollow core Pre-stressed precast concrete units, grouted using C30 mix, 25mm resilient rock mineral wool slab 140kg/m3, 5mm closed cell polyethylene foam, 65mm cement/sand screed topping.	D