

# GN18: BREEAM Recognised Responsible Sourcing Certification Schemes and BREEAM Scheme Applicability V3.1

## 1. Introduction

BREEAM awards credits for responsibly sourcing construction products (typically under the Mat 03 issue) to encourage responsible product specification and procurement in construction. To achieve these credits, applicable specified products (as listed in the relevant technical manual) must be covered by Environmental Management System (EMS) or a responsible sourcing certification scheme (RSCS) recognised by BREEAM.

Within BREEAM, recognised RSCS are evaluated by BRE Global and awarded RSCS summary score levels in accordance with the requirements and processes set out in the following documents:-

- 'Responsible Sourcing Certification Schemes – Evaluation for use in BREEAM (Issue 2)'
- 'Criteria for the Evaluation of RSCS within BREEAM (v4.0)'

EMS are awarded an RSCS summary score level according to the requirements in this guidance note.

These summary score levels are used in conjunction with a BREEAM calculator tool (typically called the Mat 03 calculator tool) to determine how many BREEAM credits can be awarded for the asset undergoing BREEAM assessment.

The above documents, background information on BREEAM RSCS evaluations and information on how to have a RSCS evaluated by BRE Global can be found on the BREEAM website.

This guidance note provides a list of currently recognised RSCS and EMS along with their associated summary score levels. It also offers guidance on how to apply the RSCS summary score levels to previous schemes.

## 2. Application to BREEAM versions

RSCS and EMS recognised by BREEAM, along with their associated summary score levels, as set out in this guidance note are applicable to all current BREEAM building and infrastructure schemes as set out in the respective technical documents. See Section 5 below for use of this document in connection with older versions of BREEAM. Where an assessment has been registered, a previous version of this document may be used if preferred as stated in section 3 below.

## 3. BREEAM Recognised RSCS and EMS

Table 1 below provides a list of BREEAM recognised RSCS and their associated summary score levels on a scale of 1 to 10.

Independently certified EMS's are also recognised to a limited degree as they partially comply with the BREEAM evaluation criteria. This is reviewed based on the extent to which they cover the supply chain process. Internationally recognised schemes such as ISO14001 and EMAS (Eco Management and Audit Scheme) and local and / or sector specific EMS fall into this category.

This Guidance Note will be reissued as necessary to include new RSCS schemes as these are evaluated or to take account of changes in current schemes. Project teams must, therefore, ensure they are using the latest version of this table when carrying out assessments. The version of the table that was current at the time of registration of a BREEAM assessment can be used for the duration of the assessment to avoid the risk of changes in summary scores arising during the design process.

**Table 1: BREEAM recognised RSCS, EMS and their associated summary scores levels**

RSCS/EMS Scheme (or other recognised source)	Label(s)/Version(s) of the scheme	Additional requirement to be specified <sup>4</sup>	RSCS summary score level for use in BREEAM assessments
BES 6001 Framework Standard for Responsible Sourcing	All	n/a	5 (Baseline score <sup>3</sup> )
CARES Sustainable Constructional Steel Scheme	All	n/a	5
Concrete Sustainability Council (CSC)	Certified concrete (bronze, silver, gold and platinum levels)	n/a	5
Eco Reinforcement Responsible Sourcing Standard, Steel Products for the Reinforcement of Concrete	All	n/a	5
FSC	'FSC 100%'	n/a	7
	'FSC Mix' 'FSC Recycled'	n/a	5
PEFC	'PEFC Certified'	n/a	5
	'PEFC Recycled'	n/a	5
SFI	'SFI Certified Chain of Custody, Promoting Sustainable Forestry'	Certified forest content = 100% of total	6
	'SFI Certified Chain of Custody, Promoting Sustainable Forestry'	Recycled timber/fibre content = 0% of total	5
Construction products/materials reused in-situ or within the same construction site, with only minor processing that does not alter the nature of the construction product/material (e.g. cleaning, cutting, fixing to other construction products).	n/a	n/a	10
Environmental Management Systems (EMS) (certified)	Key Process <sup>1</sup> and supply chain <sup>2</sup> extraction process. See Table 2 below.	n/a	2
	Key Process <sup>1</sup> . See Table 2 below.	n/a	1

Notes on table 1.

<sup>1</sup> Key Process: The final major aspects of processing that are carried out for the product / material in question. There may be a single process or multiple processes requiring assessment, depending on the end product. The scope of the process covered by the certified EMS for each applicable material category are detailed in Table 2 EMS scope by material category.

<sup>2</sup> Supply Chain EMS: Supply chain EMS covers all of the major aspects of processing and extraction involved in the supply chain for the end product. Note that recycled materials are not required to demonstrate a Supply Chain EMS. If the EMS certification is provided for the Key Processes for recycled materials, this is assumed by default. The scope of the key process and supply chain covered by the certified EMS for each of the assessed material category are detailed in Table 2 EMS scope by material category.

<sup>3</sup> The RSCS summary score level is the minimum that all products certified to this scheme are awarded. It may be possible for products certified to this scheme to achieve a higher RSCS summary score level – see the scheme's website or contact the scheme operator or product manufacturer for more details.

<sup>4</sup> The additional requirements are in addition to the label/version of the scheme. The BREEAM Assessor should check that design team have included the additional requirement(s) in the project documents (e.g. architectural specification and/or drawings) and obtain evidence that the installed products fulfil these before awarding the points.

Recycled content of construction products is taken into account in the above schemes where appropriate and is not separately recognised in this table.

#### 4. Limitations on the use of the evaluation results

The RSCS evaluated by BREEAM cover a diverse range of construction product sectors. Different construction product sectors face differing challenges in terms of responsible sourcing and most of the schemes recognised by BREEAM include some objectives that are not applicable to their use within BREEAM assessments. As such, these evaluations and the resulting score levels are only intended for use in BREEAM assessments and they should not be used in any other context to reflect the rigor or benefits of the schemes.

Additional schemes may be included from time to time and will be reflected in new versions of this document.

All of the schemes evaluated are likely to undergo subsequent revision and as a result the score levels may change at a future point in time where updated schemes are reevaluated.

#### 5. EMS Scope by Material Category

Table 2 below provides a list of the key process and supply chain (extraction) processes (by material category) that the scope of the EMS as specified in Table 2 must cover in order to achieve the summary score level.

**Table 2: Compliant EMS scope by material category**

Material Category	Key Process	Key Supply Chain Process
<b>Timber / timber based</b>		
Virgin timber	Timber from certified sources	Timber from certified sources
Wood panel and wood based composite products such as Oriented Strand Board, plywood, HPL, chipboard/particle, glulam, LVL, etc.	Wood products, including those with recycled content, can only use the timber certification route	
<b>Concrete / Cementitious</b>		
In situ concrete (including ready mix and cementitious mortars and renders)	Ready mixed concrete plant	Cement production Aggregate extraction and production
Precast concrete and other concrete products (including blocks, cladding, precast flooring concrete or cementitious roof tiles <sup>1</sup> )	Concrete product manufacture	Cement production Aggregate extraction and production
Plasterboard/ plaster	Plasterboard or plaster manufacture	Gypsum extraction synthetic gypsum (from flue gas desulphurisation) by default (recycled content)
Cement bonded particle board	Due to significant cement content, in addition to requiring timber certification, the key supply chain process must also be considered to obtain the relevant summary score level. Timber from certified sources	Cement production Timber from certified sources

Material Category	Key Process	Key Supply Chain Process
<b>Metals</b>		
Metals (steel, aluminium etc.)	Metal product manufacture e.g. cladding production, steel section production	Metal production: Steel: Electric arc furnace or basic oxygen furnace process, Aluminium, ingot production, Copper: ingot or cathode production
<b>Stone</b>		
Dressed or building stone (including slate)	Stone product manufacture	Stone extraction
<b>Clay based</b>		
Bricks ( including clay tiles and other ceramics)	Product manufacture	Clay extraction
<b>Glass</b>		
Glass	Glass production	Sand extraction Soda ash production or extraction
<b>Plastic, polymer, resin, paint, chemicals and bituminous</b>		
Plastics and rubbers (including polymeric renders, EPDM,TPO, PVC, and VET roofing membranes)	Plastic/ rubber product manufacture	Main polymer production
Resin based composites and materials (including GRP and polymeric render but excluding timber based composites)	Composite product manufacture	Glass fibre production (or other principle matrix material) Polymer production
Bituminous materials, such as roofing membranes and asphalt	Product manufacture	Bitumen production Aggregate extraction and production
<b>Insulation</b>		
Foam Insulation	Insulation manufacture	Main polymer production, e.g. Polystyrene, MDI, Phenolic resin or equivalent
Stone wool, glass & cellular glass made using < 50% recycled input	Product manufacture	Any quarried or mined mineral over 20% of input
Wool	Product manufacture	Wool scouring
Products using > 50% recycled content except those using timber	Product manufacture	Recycled content by default
Timber-based insulation materials including those using recycled timber	Product manufacture	Recycled timber by default, all other timber from one of the recognised timber certification schemes in BREEAM issue Mat 03.
Other renewable-based insulation materials using agricultural by-products (e.g. straw)	Product manufacture	By-product manufacture by default

Material Category	Key Process	Key Supply Chain Process
<b>Other</b>		
Mineral based materials, including fibre cement and calcium silicate	Product manufacture	Cement production Lime production Other mineral extraction and production
Products with 100% recycled content	Product manufacture	Recycled input by default
Product with lower percentage of recycled content	Product manufacture	Supply chain process/processes for any virgin material in the relevant product type above. Recycled input by default
Any other product	Key processes is likely to be product manufacture	1 or 2 main inputs with significant production or extraction impacts should be identified
Where cement and aggregate, or dry mix concrete are mixed on site, (i.e. not concrete previously certified as pre-cast concrete products or wet ready mix concrete), certification must cover the manufacture of the cement and the primary process, and the extraction of the aggregate and limestone used to make cement as the supply chain process.		

## 6. Use of the revised RSCS summary score levels in assessments under previous versions of BREEAM

Following the release of version V1.0 of this guidance note, work was undertaken to align other current and superseded BREEAM schemes to the new RSCS approach. This sought to give a choice to projects still undertaking assessment under earlier versions of BREEAM and increase the applicability of new and / or revised RSCS.

A thorough analysis was conducted to determine how projects would perform under the new scoring system and compare these to the performance under the previous tier table approach. Based on the results of the analysis, an alternative set of credit percentage thresholds have been developed so that in the majority of cases, the credits achieved under both scoring systems will remain the same.

Therefore, the new scoring is applicable to the following schemes:

- BREEAM International New Construction 2013
- BREEAM UK New Construction 2011

The new scoring approach should be applied using one of the following options as follows;

On-going assessments under these 2013 and 2011 BREEAM schemes can choose to:

1. Apply the new list of BREEAM recognised RSCS's and their associated summary score levels (as outlined in Table 1) and credit percentage thresholds (as outlined in Table 3).

OR

2. Continue to use the RSCS tier levels and associated scores and percentage thresholds provided in the relevant BREEAM scheme manual.

Assessors cannot use a combination of both options.

When choosing option 1, please also note that:

- The assessment criteria, compliance notes, evidence requirements, calculation methodology, additional information and other information as stated under the issue in the relevant BREEAM scheme manual remain the same.
- Tier levels are no longer required to be reported; the calculator tool will only require the applicable RSCS scheme and associated information.

**Table 3: Option 1 credit percentage threshold applicable to BREEAM International New Construction 2013 and BREEAM UK New Construction 2011.**

BREEAM Credits	% of available points achieved
Exemplary level	100%
3	≥77%
2	≥46%
1	≥18%

Note: For all other assessment scheme versions, the assessor should continue to use the assessment and scoring method as set out in the relevant scheme manual.

## 7. Schedule of changes

Version	Release date	Description of changes/ additions to previous changes
1.0	01/09/14	First version of Guidance Note, compliant with issue 2.0 of SD 5076 BREEAM UK New Construction 2014 scheme technical manual.
1.1	31/10/14	Updated version of the Guidance Note to ensure compliance with issue 1.0 of SD5077 BREEAM UK Domestic Refurbishment 2014
2.0	01/12/14	Updated version of the Guidance Note to ensure compliance with SD 5073 BREEAM UK New Construction 2011 scheme and SD 5075 BREEAM International New Construction 2013 scheme.
3.0	16/09/16	Updated following major update of the RSCS summary scores.
3.1	24/01/18	CSC scheme added.