



CONSTRUCTION INDUSTRY COUNCIL

CIC GREEN PRODUCT CERTIFICATION

Synthetic Carpet

Assessment Standard

(Version 1.1a)

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Synthetic Carpet

Summary of Assessment Criteria

CORE CRITERIA

Criteria	Requirements	Verification	Points		Index															
			Basic	+Bonus																
Raw Materials	A detailed breakdown of materials/ content used in both face fibre and backing for compliance shall be provided. Each product should contain recycled content (i.e. post-industrial and/or postconsumer waste) as listed below.	Documentation including, but not limited to, product catalogue, MSDS and written declaration	10	+5/+10	4.3.3 (page 9)															
	<table><tr><td rowspan="3">Category</td><td colspan="3">Total content of “materials with recycled content, renewable materials and biodegradable materials” by weight (%)</td></tr><tr><td>10 Basic Points</td><td>+5 Bonus Points</td><td>+10 Bonus Points</td></tr><tr><td>Face Fibre</td><td>≥20%</td><td>≥50%</td><td>≥70%</td></tr><tr><td>PVC / Non PVC Backing</td><td>≥20%</td><td>≥50%</td><td>≥70%</td></tr></table>	Category	Total content of “materials with recycled content, renewable materials and biodegradable materials” by weight (%)			10 Basic Points	+5 Bonus Points	+10 Bonus Points	Face Fibre	≥20%	≥50%	≥70%	PVC / Non PVC Backing	≥20%	≥50%	≥70%				
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Serviceability	<p>Quality, durability and performance properties of the product shall be demonstrated through at least <i>FIVE</i> testing items including, but not limited to, the followings:</p> <ul style="list-style-type: none"> • Change in appearance • Change in colour / Colour fastness • Static electrical (Electrostatic) propensity • Castor chair suitability • Hairiness (pilling) • General structural integrity • Electrical resistance • Impact sound insulation • Thermal resistance • Fraying resistance • Sound absorption • Abrasion resistance • Peel resistance • Water impermeability 	Laboratory test report(s) and any production documentation for all relevant quality and performance tests	5		<i>4.1.3 (page 4)</i>
Flame Retardants	<p>Concentration of the following flame-retardants in the product shall be below 0.1% by weight of the product.</p> <ul style="list-style-type: none"> •Polybrominated diphenyl ether •Polybrominated biphenyls •Short-chained chlorinated paraffin •Hexabromocyclododecane 	Laboratory test report(s), and any production documentation	5		<i>4.2.3 (page 7)</i>

Heavy Metals	Concentration of the following toxic heavy metals (and their related compounds) in the product shall below 0.1% by weight of the product. <ul style="list-style-type: none">• Arsenic (As)• Barium (Ba)• Cadmium (Cd)• Hexavalent Chromium (Cr6+)• Lead (Pb)• Mercury (Hg)	Laboratory test report(s) and any production documentation	10		4.2.1 (page 6)																												
Dyes	The product shall not contain the dyes as provided in the tables of Clause 4.4.1.	Documentation including, but not limited to, test reports, MSDS and product catalogue	10		4.4.1 (page 10)																												
Air Emission	Concentrations of VOCs in air (based on the standard room calculation) from the product shall not be exceeded the following limits: <table><tr><td>Compounds</td><td>µg/m³</td></tr><tr><td>Acetaldehyde</td><td>70</td></tr><tr><td>Benzene</td><td>30</td></tr><tr><td>Caprolactam</td><td>70</td></tr><tr><td>2-Ethylhexanoic Acid</td><td>25</td></tr><tr><td>Formaldehyde</td><td>9</td></tr><tr><td>1-Methyl-2-Pyrrolidinone</td><td>160</td></tr><tr><td>Naphthalene</td><td>4.5</td></tr><tr><td>Nonanal</td><td>13</td></tr><tr><td>Octanal</td><td>7.2</td></tr><tr><td>4-Phenylcyclohexene</td><td>27</td></tr><tr><td>Styrene</td><td>220</td></tr><tr><td>Toluene</td><td>150</td></tr><tr><td>Vinyl Acetate</td><td>100</td></tr></table>	Compounds	µg/m ³	Acetaldehyde	70	Benzene	30	Caprolactam	70	2-Ethylhexanoic Acid	25	Formaldehyde	9	1-Methyl-2-Pyrrolidinone	160	Naphthalene	4.5	Nonanal	13	Octanal	7.2	4-Phenylcyclohexene	27	Styrene	220	Toluene	150	Vinyl Acetate	100	Laboratory test report(s) and any production documentation	10		4.2.4 (page 8)
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Subtotal:			50	+10																													

NON-CORE CRITERIA

<i>Criteria</i>	<i>Requirements</i>	<i>Verification</i>	<i>Points</i>	<i>Index</i>
			<i>+Bonus</i>	
Environmental Management System	Manufacturer shall possess valid certification of ISO 14001, EU Eco-Management and Audit Scheme (EMAS) or Cradle-to-Cradle.	A valid certificate issued by accredited certification body	+5	4.1.1 (page 3)
Hazardous Substances	<p>Concentration of the following hazardous substance in the product shall be below 0.1% by weight of the product.</p> <ul style="list-style-type: none"> • Carcinogens, teratogens and mutagens including: <ul style="list-style-type: none"> ❖ Any R45-49 substances ❖ IARC group 1 or 2A or 2B substances • Acutely toxic substances including any R26-28 substances • Irritants and sensitizing agents including R36-38 and R42-43 substances • Endocrine disruptors and R60-64 substances • Environmental hazards substance including R50-59 substances • Insect-resistant agents • Antimony oxides • Fungicides and insecticides • Synthetic pyrethroids <p>Following requirements are applicable to the product with plastic content</p> <p>Concentration of phthalate in the product shall be below 1.1% by weight of the product. The limited phthalates including the following types:</p> <ul style="list-style-type: none"> • Bis 2- ethylhexyl phthalate (DEHP) • Dibutyl phthalate (DBP) • benzylbutylphthalate (BBP) • Diisononylphthalate (DINP) • Diisodecylphthalate (DIDP) • Di-n-octylphthalate (DNOP) 	Laboratory test report(s), MSDS, self-declaration letter and production documentation	+5	4.2.2 (page 6)

Product Information	<p>The following product information on the product packaging, catalogue and/or company website shall be provided for compliance:</p> <ul style="list-style-type: none"> • Basic product specifications • The intended use of the product • Instructions for correct use and storage to maximize the lifetime of the product • Recommended maintenance instructions for the product • Installation method • Recommended use of low VOC adhesive • Instructions for consumer product disposal • Country of origin 	Documentation including, but not limited to, product label, product catalogue, MSDS, and written declaration	+5	4.1.2 (page 3)
Reuse and Recycling	<p>Following requirements are applicable to all products:</p> <ul style="list-style-type: none"> • Manufacturer shall provide information on reuse and recycling of products including but not limited to the following items for compliance: <ul style="list-style-type: none"> ○ Product shall not be impregnated, labelled or coated or treated in a manner preventing post-consumer recycling; ○ Information related to reuse and recycling of products ○ Product could be recyclable into either new carpet or other products (such as weed-matting), or shall be capable of being refurbished (to be on-sold as second-hand carpet). • Manufacturer shall commit to take back used carpet for recycling at the end of its service life; this recycling service should be available locally and currently established. Any recycling services that are still under planning are not acceptable for criterion compliance. <p>The following requirements are applicable to modular carpet tiles only:</p> <p>In order to encourage the reuse of the modular carpet tiles, the product shall be sold as removable tiles using peel and stick system, a water-based adhesive or no adhesive, such as ‘nipple backed’ for use on access flooring. Permanently stuck and non-removable tiles are not accepted.</p>	Documentation including, but not limited to, product catalogue, MSDS, and written declaration	+10	4.4.2 (page 11)

Energy Management	<p>Manufacturer shall implement effective energy management policies and procedures and / or an energy management programme, including but not limited to the following items:</p> <ul style="list-style-type: none"> • Initiatives taken to reduce energy use and improve energy efficiency • Initiatives or requirements for suppliers or contract manufacturers 	Detailed policies, procedures, programs and/or plans of energy management	+5	4.3.1 (page 9)
Waste Management	<p>Manufacturer shall implement effective waste management policies, procedures and/or a waste management programs covering manufacturing operations. Documentation should include but not limited to the following information:</p> <ul style="list-style-type: none"> • Initiatives taken to reduce waste generation and improve recovery/recycling of waste; • Initiatives to recovery of post-consumer and/or pre-consumer waste that can be re-introduced into the manufacturing process; • Other environmental benefits or constraints associated with waste minimisation objectives and processes 	Detailed policies, procedures, programs and/or plans of waste management	+5	4.3.2 (page 9)
Packaging Requirement	<ul style="list-style-type: none"> • All packaging shall be able to be reused/recycled in the country. • All plastic packaging (if applicable) shall be made of plastics that are able to be recycled in the country where the product is sold and shall not contain halogenated plastics. • Packaging shall not be impregnated, labelled, coated or otherwise treated in a manner, which would prevent or significantly limit recycling (i.e. metallic labels). • Packaging shall provide the nature of the materials used for the packaging in order to facilitate identification and classification based on European Parliament and Council Directive 94/62/EC on packaging and packaging waste. 	Documentation including, but not limited to, product catalogue and written declaration	+5	4.4.3 (page 12)
Subtotal:			+40	

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1. INTRODUCTION

1.1 PURPOSE

The CIC Green Product Certification (*formerly known as HKGBC Green Product Accreditation and Standards [HK G-PASS]*) (herein after referred as the “Scheme”) is an environmental labelling scheme owned by the Construction Industry Council (CIC) and implemented by the Hong Kong Green Building Council (HKGBC) which aims to help consumers, building professionals and policy makers identify environmentally preferable building materials and products. This Assessment Standard (hereafter referred as the “Standard”) sets out the assessment criteria and their benchmarks for synthetic carpet to govern the application and award of a label under the Scheme. The Standard also defines the verification methods to determine which labelling grade should be awarded to the product according to the assessment criteria.

This Standard neither modifies nor supersedes laws and regulations. Compliance with this Standard is not a substitute for, and does not assure, compliance with any applicable laws or regulations. Compliance with all applicable laws and regulations is a prerequisite for the manufacturing and marketing of the product.

1.2 BACKGROUND

Synthetic carpet can place a significant burden on the environment, from raw material extraction to potential health hazards in the use phase. With increasing environmental claims of synthetic carpet in the market, a more comprehensive and systematic approach to assess the environmental impacts of the synthetic carpet shall be developed. The aim of this Standard is to help designers and end-users choosing greener products by conserving resources, reducing the amount of waste disposal in landfills and reducing the impact to human health throughout the life cycle of synthetic carpet. The development of the assessment criteria in this Standard has made references to worldwide relevant eco-labelling schemes and some existing life cycle assessment (LCA) studies.

2. SCOPE

The scope of this Standard is applicable to different components of carpets, ranging from face fibre, cushion, to the backing and adhesives used in the manufacturing process. The materials shall include but not limited to nylon, polypropylene (olefin), nylon-blends, wool-blends, polyester, and acrylic.

The materials for the carpet shall be specified clearly in each application. One application is applicable to the carpets manufactured with same specifications including tufted weight, face

fibre and backing. Products under the same series with different sizes, colour and shapes could be included in ONE application.

Subsequent application is available for products under the same product series and manufactured with the same type of raw materials (including tufted weight, face fibre and backing).

Maximum **FIVE** subsequent applications shall be available and the subsequent application is only eligible for applying within the validity period of the label.

Note:

Each application should specify the product code / serial number.

CIC or an appointed third party would conduct a random check of the labelled product during the validity period of the label. One of the laboratory tests listed below will be selected and performed to verify the compliancy of the product with the criteria stated in the Assessment Standard. Applicant shall be responsible for the cost of the laboratory test.

3. DEFINITIONS

Applicant: Organisation which apply for the label under the CIC Green Product Certification of the Construction Industry Council

ASTM: American Society for Testing and Materials

BS: British Standards

CIC: Construction Industry Council

CNAS: China National Accreditation Service for Conformity Assessment

HKAS: Hong Kong Accreditation Service

HKGBC: The Hong Kong Green Building Council Limited

HOKLAS: The Hong Kong Laboratory Accreditation Scheme

IARC: International Agency for Research on Cancer

ISO: International Organisation for Standardisation

MSDS: Material safety data sheet. To qualify as suitable, MSDS and information therein must not be more than 5-years old

US EPA: United States Environmental Protection Agency

4. EVALUATION CRITERIA

A product to be assessed shall meet all the minimum requirements of the “Core Criteria” in order to be awarded a “Green” (i.e. a “pass” grade) Label under the Scheme. Bonus points may be awarded if the product meets the “Non-core Criteria” and a “Bronze”, “Silver”, “Gold” or “Platinum” Label will be awarded according to the total points accumulated (see Section 5 for details). All submissions and documentation shall be endorsed by the Chief Executive Officer or other authorised persons of the Applicant to demonstrate conformance to the assessment criteria. All certifications, laboratory reports and documentations must be valid during the assessment process and labelling period. All laboratory reports and documentation shall be within 5 years from the date of issue. The chemical tests should be conducted by either a third party or the manufacturer who has received the ISO17025 certification or relevant national accreditation systems, e.g. HOKLAS, CNAS, etc. CIC or an appointed third party would conduct a random check of the labelled product during the period of validity of the label, through laboratory test to verify the compliance with the criteria as stated in the Standard. Manufacturer shall bear the cost of the laboratory test.

4.1 GENERAL REQUIREMENTS

4.1.1 *Environmental Management System*

5 Points (Non-core Criterion)

Manufacturer shall possess valid certification of ISO 14001, EU Eco-Management and Audit Scheme (EMAS) or Cradle-to-Cradle.

Note:

BS EN ISO 14001 is the international standard which provides an outline of how to meet the environmental policy and objectives for the business of the applicant.

Eco-Management and Audit Scheme (EMAS) is an environmental management tool which enables organisations to assess, manage and continuously improve their environmental performance.

Cradle-to-Cradle design is a biomimetic approach to the design of products and systems. It models human industry on nature's processes viewing materials as nutrients circulating in healthy, safe metabolisms.

Verification

A valid certificate issued by local or oversea accredited certification body.

4.1.2 Product Information

5 Points (Non-core Criterion)

Applicant shall provide the following product information on the product packaging, catalogue and/or company website for compliance:

- Basic product specifications
- Intended use of the product
- Instructions for correct use and storage to maximize the lifetime of the product
- Recommended maintenance instructions for the product
- Installation method
- Use of Low VOC adhesive
- Instructions for consumer product disposal
- Country of origin

Verification

Documentation including, but not limited to, product label, product catalogue, MSDS, and written declaration.

4.1.3 Serviceability

5 Points (Core Criterion)

Quality, durability and performance properties of the product shall be demonstrated through at least FIVE testing items (as applicable to material type) including, but not limited to, the following, in accordance with relevant testing methods (or later version); other related testing methods are also acceptable with justification provided by the applicant:

Testing items	Testing Methods/ Requirements
• Change in appearance	BS EN 1307:2014, BS EN 15114:2006+A1:2008, BS EN 14215:2013, BS EN 1471:1997, BS ISO 10361:2015
• Change in colour / Colour fastness	BS EN 1307:2014, BS EN 15114:2006+A1:2008, BS EN 14215:2013, AATCC 16, AATCC 165
• Static electrical (electrostatic) propensity	BS EN 1307:2014, BS EN 15114:2006+A1:2008, BS EN 1815:1998, BS ISO 6356:2012, AATCC 134
• Castor chair suitability	BS EN 1307:2014, BS EN 15114:2006+A1:2008, BS EN 14215:2013, BS EN 985:2001
• Hairiness (pilling)	BS EN 1307:2014, BS EN 15114:2006+A1:2008
• General structural integrity	BS EN 1307:2014, BS EN 15114:2006+A1:2008
• Electrical resistance	BS EN 1307:2014, BS EN 15114:2006+A1:2008
• Impact sound insulation	BS EN 1307:2014, BS EN 15114:2006+A1:2008

• Thermal resistance	BS EN 1307:2014, BS EN 15114:2006+A1:2008
• Fraying resistance	BS EN 1307:2014, BS EN 15114:2006+A1:2008
• Sound absorption	BS EN 1307:2014, BS EN 15114:2006+A1:2008
• Abrasion resistance	BS EN 1307:2014
• Peel resistance	BS EN 1307:2014
• Water impermeability	BS EN 1307:2014

Verification

Laboratory test report(s) and any production documentation for all relevant quality and performance tests.

4.2 HUMAN TOXICITY

4.2.1 Heavy Metals

10 Points (Core Criterion)

Concentration of toxic heavy metals (and their related compounds) in the product shall be below 0.1% by weight of the product. The limited heavy metals including the following types:

- Arsenic (As)
- Barium (Ba)
- Cadmium (Cd)
- Hexavalent chromium (Cr6+)
- Lead (Pb)
- Mercury (Hg)

Product shall be tested in accordance with relevant BS standard including but not limited to BS 6810-2: 2005(or later version); other related testing methods are also acceptable with justification provided by the applicant.

Verification

Laboratory test report(s) and relevant production documentation.

4.2.2 Hazardous Substances

5 Points (Non-core Criterion)

Concentration of the hazardous substances in the product shall be below 0.1% by weight of the product. The limited hazardous substances including the following types:

- Carcinogens, teratogens and mutagens including:
 - ❖ Any R45-49 substances
 - ❖ IARC group 1 or 2A or 2B substances
- Acutely toxic substances including any R26-28 substances
- Irritants and sensitizing agents including R36-38 and R42-43 substances
- Endocrine disruptors and R60-64 substances
- Environmental hazards substance including R50-59 substances
- Insect-resistant agents
- Antimony oxides
- Fungicides and insecticides
- Synthetic pyrethroids

The following requirements are applicable to the product with plastic content

Concentration of phthalate in the product shall be below 0.1% by weight of the product. The limited phthalates including the following types:

- Bis(2-ethylhexyl)phthalate (DEHP)
- Dibutyl phthalate (DBP)
- benzylbutylphthalate (BBP)
- Diisononylphthalate (DINP)
- Diisodecylphthalate (DIDP)
- Di-n-octylphthalate (DNOP)

Product shall be tested in accordance with CPSC-CH-C1001-09.2 (or later version). Applicant shall provide the test report for compliance; other related testing methods are also acceptable with justification provided by the applicant.

Verification

Laboratory test report(s), MSDS, self-declaration letter and production documentation.

4.2.3 Flame Retardants

5 Points (Core Criterion)

Concentration of the flame-retardants in the product shall be below 0.1% by weight of the product. The restricted fire retardants including the following types:

- Polybrominated diphenyl ether

- Polybrominated biphenyls
- Short-chained chlorinated paraffin
- Hexabromocyclododecane

Product shall be tested in accordance with relevant BS standard including but not limited to BS EN 62321:2009 (or later version); other related testing methods are also acceptable with justification provided by the applicant.

Note:

BS EN 62321 specifies the determination of the levels of brominated flame retardants, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE) contained in electrotechnical products.

Verification

Laboratory test report(s) and relevant production documentation.

4.2.4 Air Emission

10 Points (Core Criterion)

The following maximum limits for concentrations of VOCs in air (based on the standard room calculation) from the product shall not be exceeded when the emission rate is tested in a small-scale environmental chamber, as provided by ASTM D5116-10.

Compounds	CAS	µg/m ³
Acetaldehyde	75-07-0	70
Benzene	71-43-2	30
Caprolactam	105-60-2	70
2-Ethylhexanoic Acid	149-57-5	25
Formaldehyde	50-00-0	9
1-Methyl-2-Pyrrolidinone	872-50-4	160
Naphthalene	91-20-3	4.5
Nonanal	124-19-6	13
Octanal	124-13-0	7.2
4-Phenylcyclohexene	4994-16-5	27
Styrene	100-42-5	220
Toluene	108-88-3	150
Vinyl Acetate	108-5-4	100

Note:

ASTM 5116 provides guidance on determination of emissions of organic compounds from indoor materials and products using small-scale environmental test chambers.

Verification

Laboratory test report(s) and relevant production documentation.

4.3 RESOURCE CONSUMPTION

4.3.1 *Energy Management*

5 Points (Non-core Criterion)

Manufacturer shall implement effective energy management policies and procedures and / or an energy management programme, including but not limited to the following items:

- Initiatives taken to reduce energy use and improve energy efficiency;
- Initiatives or requirements for suppliers or contract manufacturers.

Verification

Detailed policies, procedures, programs and/ or plans of energy management issued by the Manufacturer.

4.3.2 *Waste Management*

5 Points (Non-core Criterion)

Manufacturer shall implement effective waste management policies, procedures and/or a waste management programs covering manufacturing operations. Documentation should include but not limited to the following information:

- Initiatives taken to reduce waste generation and improve recovery/recycling of waste;
- Initiatives to recovery of post-consumer and/or pre-consumer waste that can be re-introduced into the manufacturing process;
- Other environmental benefits or constraints associated with waste minimisation objectives and processes.

Verification

Detailed policies, procedures, programs and/ or plans of waste management issued by the Manufacturer.

4.3.3 *Raw Materials*

10 Basic Points + 5/+10 Bonus Points (Core Criterion)

Applicant shall provide a detailed breakdown of materials/ content used in both face fibre and backing for compliance. Each product should contain recycled content (i.e. post-industrial and/or postconsumer waste) as listed below.

Category	Total content of “materials with recycled content, renewable materials and biodegradable materials” by weight (%)		
	Basic (10)	Bonus (+5)	Bonus (+10)
Face Fibre	≥20%	≥50%	≥70%
PVC / Non PVC Backing	≥20%	≥50%	≥70%

Verification

Documentation including, but not limited to, product catalogue, MSDS and written declaration.

4.4 ECOSYSTEM IMPACT

4.4.1 Dyes

10 Points (Core Criterion)

Products shall not contain the dyes mentioned in below tables:

Table 1 - Prohibited Azo-based dyes	
4-aminobiphenyl (92-67-1)	3,3'-dimethyl-4,4'-diaminodiphenylmethane (838-88-0)
benzidine (92-87-5)	p-cresidine (120-71-8)
4-chloro-o-toluidine (95-69-2)	4,4'-methylene-bis-(2-chloroaniline) (101-14-4)
2-naphthylamine (91-59-8)	4,4'-oxydianiline (101-80-4)
o-aminoazotoluene (97-56-3)	4,4'-thiodianiline (139-65-1)
2-amino-4-nitrotoluene (99-55-8)	o-toluidine (95-53-4)
p-chloroaniline (106-47-8)	2,4-diaminotoluene (95-80-7)
2,4-diaminoanisole (615-05-4)	2,4,5-trimethylaniline (137-17-7)
4,4'-diaminodiphenylmethane (101-77-9)	4-aminoazobenzene (60-09-3)
3,3'-dichlorobenzidine (91-94-1)	o-anisidine (90-04-0)
3,3'-dimethoxybenzidine (119-90-4)	2,4-xylydine (95-68-1)
3,3'-dimethylbenzidine (119-93-7)	2,6-xylydine (87-62-7)

Table 2 - Prohibited dyes		
Basic Red 9 42 500	Disperse Blue 106	Disperse Red 17 11 210
Disperse Blue 1 64 500	Disperse Blue 3 61 505	Disperse Yellow 1 10 345
Acid Red 26 16 150	Disperse Blue 7 62 500	Disperse Yellow 3 1 855
Basic Violet 14 42 510	Disperse Blue 26 63 305	Disperse Yellow 9 10 375
Disperse Orange 11 60 700	Disperse Blue 35	Disperse Yellow 23

Direct Black 38 30 235	Disperse Blue 102	Disperse Yellow 3 11 855.100
Direct Blue 6 22 610	Disperse Brown 1	Disperse Yellow 39
Direct Red 28 22 120	Disperse Orange 149	Disperse Red 11 62 015
Disperse Yellow 49	Disperse Blue 124	Disperse Orange 1 1 080
Disperse Orange 3 1 005	Disperse Orange 76	
Disperse Orange 37	Disperse Red 1 11 110	

Product shall be tested in accordance with relevant BS standard including but not limited to BS EN 14362-1 and BS EN 14362-3 (or later version); other related testing methods are also acceptable with justification provided by the applicant.

Note:

BS EN 14362 specifies the methods for determination of certain aromatic amines derived from azo colorants.

Verification

Documentation including, but not limited to, test reports, MSDS and product catalogue.

4.4.2 Reuse and Recycling

10 Points (Non-core Criterion)

The following requirements are applicable to all products:

Manufacturer shall provide information on reuse and recycling of products including but not limited to the following items for compliance:

- Product shall not be impregnated, labelled or coated or treated in a manner preventing post-consumer recycling;
- Information related to the reuse and recycling of products;
- Product could be recyclable into either new carpet or other products (such as weed-matting), or shall be capable of being refurbished (to be on-sold as second-hand carpet).

Manufacturer shall commit to take back used carpet for recycling at the end of its service life; this recycling service should be available locally and currently established. Any recycling services that are still under planning are not acceptable for criterion compliance.

The following requirements are applicable to modular carpet tiles only:

In order to encourage the reuse of the modular carpet tiles, the product shall be sold as removable tiles using peel and stick system, a water-based adhesive or no adhesive, such as 'nipple backed' for use on access flooring. Permanently stuck and non-removable tiles are not accepted.

Verification

Documentation including, but not limited to, product catalogue, MSDS, and written declaration.

4.4.3 Packaging Requirement

5 Points (Non-core Criterion)

- All packaging shall be able to be reused/recycled in the country
- All plastic packaging (if applicable) shall be made of plastics that are able to be recycled in the country where the product is sold and shall not contain halogenated plastics
- Packaging shall not be impregnated, labelled, coated or otherwise treated in a manner, which would prevent or significantly limit recycling (i.e. metallic labels).
- Packaging shall provide the nature of the materials used for the packaging in order to facilitate identification and classification as based on European Parliament and Council Directive 94/62/EC on packaging and packaging waste

Verification

Documentation including, but not limited to, product catalogue and written declaration.

5. SCORING AND GRADING

The points for meeting each criterion stated in Section 4 are summarised in Table 1.

Table 1: Points to be awarded under the assessment criteria of this Standard

<i>Evaluation Criteria</i>	<i>Points</i>	
	<i>Basic</i>	<i>Bonus</i>
4.1.1 Environmental Management System		+5
4.1.2 Product Information		+5
4.1.3 Serviceability [CORE]	5	
4.2.1 Heavy Metals [CORE]	10	
4.2.2 Hazardous Substances		+5
4.2.3 Flame Retardants [CORE]	5	
4.2.4 Air Emission[CORE]	10	
4.3.1 Energy Management		+5
4.3.2 Waste Management		+5
4.3.3 Raw Materials [CORE]	10	+5/+10
4.4.1 Dyes [CORE]	10	
4.4.2 Reuse and Recycling		+10
4.4.3 Packaging Requirement		+5
Total:	50	+50
	100	

The minimum requirement to be awarded a “Green” Label under this product category is to obtain 50 points by meeting all minimum requirements laid down in the “Core Criteria”.

Table 5: Benchmarks for grading

<i>Grade to be awarded</i>	<i>Points required</i>
Platinum	90 or above
Gold	80 – 89
Silver	70 – 79
Bronze	60 – 69
Green	50 – 59
No Label	Below 50