



Belgotex

## SDX Tufted Bitumen Backed Carpet Tile

SDX Tufted Bitumen Backed Carpet Tile is a solution dyed Nylon Tufted Commercial Carpet Tile that is available in an array of colors and design.

<b>Products/Ranges:</b>	<b>SDX Tufted Bitumen Backed Carpet Tile</b>
<b>Product Stages Assessed:</b>	<b>Manufacturing and in-use</b>
<b>CSI Masterformat:</b>	<b>096813</b>
<b>Licensed Site/s:</b>	<b>Pietermaritzburg, South Africa</b>
<b>Licence Number:</b>	<b>BEL-001-v1-2019</b>
<b>Licence Date:</b>	<b>28th August 2019</b>
<b>Valid To:</b>	<b>28th August 2020</b>
<b>Standard:</b>	<b>GGT International v4.0</b>
<b>Screening Date:</b>	<b>29th October 2019</b>
<b>PHD URL:</b>	<b><a href="https://www.globalgreentag.co.za/products/sdx-tufted-bitumen-backed-carpet/">https://www.globalgreentag.co.za/products/sdx-tufted-bitumen-backed-carpet/</a></b>



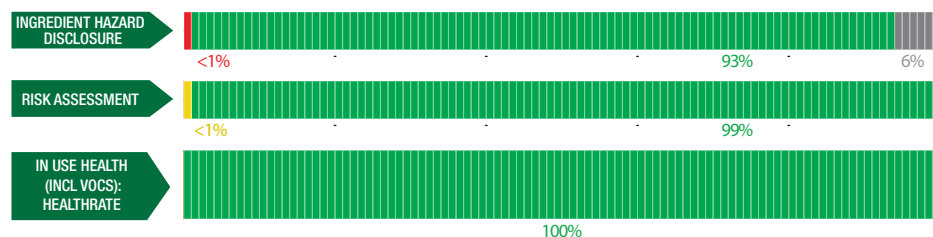
This PHD ceases currency when original GreenTag GreenRate/LCARate certification expires or is revoked. Please check [www.globalgreentag.com](http://www.globalgreentag.com) for currency. [Note disclaimer over.](#)

<b>PHD Summary</b>	<b>Inventory Threshold:</b>	<b>Inventory Method:</b>
Percentage Assessed: <b>100%</b>	<b>100ppm Product Level</b>	<b>Nested Materials</b>

- GreenTag Banned List Compliant
- Meets WELL™ Building Standard: Feature 04 VOC Reduction Part 3: Flooring, X10 Volatile Compound Reduction
- Meets WELL™ Building Standard: Feature 11 Fundamental Material Safety Part 1c and 5b
- Meets WELL™ Building Standard: Feature 25: Toxic Material Reduction
- Meets WELL™ Building Standard: Feature 26 Part 1: Precautionary Material Selection, X13 Enhanced Material Precaution 1
- Meets WELL™ Building Standard: Feature 97: Material Transparency, Feature X14: Material Transparency Part 1
- No worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- No user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- No environmental exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass.

ASSESSMENT:



Declared by:  
Global GreenTag  
International Pty Ltd

David Baggs  
CEO & Program Director  
Verified compliant with:  
ISO 14024 & ISO 17065

## 1.0 Scope

The Global GreenTag International (GGT) Product Health Declaration (PHD) has been designed to provide an additional level of service to the green product sector in facilitating an easier understanding of both the hazard and risk associated with any certified products and is intended to indicate:

- Chemical hazards of both finished product and unique ingredients to a minimum level of 100ppm for each homogeneous ingredient throughout the product life cycle, (including any VOC or other gaseous emissions);
- An assessment of exposure or risk associated with ingredient handling, product use, and disposal in relation to established mitigation and management processes;

It is not intended to assess:

- substances used or created during the manufacturing process unless they remain in the final product; or
- substances created after the product is delivered for end use (e.g., if the product unusually degrades, combusts or otherwise changes chemical composition).

GGT PHDs are only issued to products that have passed GGT Standards' certification requirements. The Level of Assessment (BronzeHEALTH, SilverHEALTH, GoldHEALTH or PlatinumHEALTH) rating relates ONLY to GGT Standard Sustainability Assessment Criteria 3, and is declared separately to the overall Bronze, Silver, Gold or Platinum Green Tag Certification Mark Tier Levels.

## 1.2 Preparing an PHD

GGT PHDs are prepared using Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and as an outcome of a successful Application for Certification. Assessments are undertaken by GGT Qualified Exemplar Global Lead Auditors and subsequently accepted for Certification by the GGT Program Director (also a Qualified Exemplar Global Lead Auditor) under the GGT International Standard v4.0, Personal Products Standard v1.0, and Cleaning Products Standard v1.0 and above Program Rules.

## 1.3 External Peer Review

Every GGT PHD is independently peer reviewed by an external Consultant Toxicologist and Member of the Australian College of Toxicology & Risk Assessment.

## 2.0 Declaration of Ingredients

Where a manufacturer wishes recognition under a rating program that requires transparency of ingredients such as LEED v4.0, Living Building Challenge, Estidama etc., the following information is declared from audit:

Colour	Ingredient Name
Green	<b>Ideal- Low</b> No Comment required
Yellow	<b>Medium to Low</b> No Comment, or 'Issue of Concern' required depending on % of ingredient.
Orange	<b>Moderate</b> 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Limit 10%
Red	<b>Problematic (Red): Target for Phase</b> 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Strict Upper Limit of 1%
Grey	<b>Uncategorised</b> Not able to be categorised due to lack of toxicity impact information.
Black	<b>Banned Ingredients</b> POPs, SVHCs plus a wide range of compounds depending on specific Standard requirements

Global GreenTag International Pty Ltd (Global GreenTag) is not a medical professional organisation. Global GreenTag does not purport to provide medical advice, and makes no warranty, representation, or guarantee regarding the declaration that it provides in relation to any allergies, chemical sensitivities or any other medical condition, nor does Global GreenTag assume any liability whatsoever arising out of the application or use of any product or piece of equipment that has been chemically assessed by Global GreenTag.

The chemical assessments carried out provide transparent information peer reviewed by a consultant toxicologist regarding the chemical make-up and ingredients of certain materials and products, but such assessments are not to be taken as any form of medical assessment or health advice and are not targeted towards providing specific solutions to allergenic conditions or any other type of medical concerns.

Users must carry out their own investigations if they are concerned about specific medical conditions and the impact of certain products or ingredients in relation to specific medical concerns.

Global GreenTag takes no responsibility and is not liable in any way with respect to any medical or health issues arising from a person's use of materials or products that have been chemically assessed by Global GreenTag. Global GreenTag shall not be liable for any direct, indirect, punitive, incidental, special or consequential damages to property or life whatsoever, arising out of or connected with the use or misuse of any materials or products that have been assessed by Global GreenTag.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Material: Textile							
Nylon	25038-54-04	10-15%	IARC 3, Skin Irrit. 2, Eye Irrit. 2				The hazard of Skin Irrit. 2 and Eye Irrit. 2 relate to the polymer monomer, which is usually converted in the polymerisation process. It is possible that extremely small quantities of un-reacted monomer may remain but as a Level 3 Hazard, users are unlikely to be exposed to even minor risk.  Recycled Content: Pre-consumer Nanomaterials: Yes
Declaration	Additive	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Declaration	Finish	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Material: Primary Backing							

Polyethylene terphthalate (PET)	25038-59-9	0-5%	None				Recycled Content: None Nanomaterials: Yes
Nylon 6 (PA6)	25038-54-4	0-5%	IARC 3, Skin Irrit. 2, Eye Irrit. 2				The occupants are only exposed to the face yarn layer. Nylon 6 in the primary backing is not directly in contact with the occupants. Therefore it is not expected to be harmful to the end users.  Recycled Content: None Nanomaterials: Yes
Declaration	Lubricant	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Material: Secondary Backing							
Polypropylene	9003-07-0	0-5%	IARC 3				Recycled Content: None Nanomaterials: Yes
Declaration	Additive	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Material: Scrim							
Declaration	Yarn	0-5%	IARC 2B, Carc. 1B				Fibrous glass can be harmful when it is inhaled, and it is classified as possibly carcinogenic to humans. However, only the fibrous glass that has diameters less than 3.5 micron is considered to be respirable. The fibrous glass used in the final product are greater than 3.5 micron and is embedded in the product. The hazards will not be presented in the final product. Therefore it is not expected to be harmful to the end user.  Recycled Content: Unknown Nanomaterials: Unknown
Declaration	Adhesive	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Declaration	Defoamer	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Declaration	Solvent	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Declaration	Filament	0-5%	Skin Irrit. 2				The occupants are only exposed to the face yarn layer. Glass filament in the scrim is not directly in contact with the occupants. Therefore it is not expected to be harmful to the end users.  Recycled Content: Unknown Nanomaterials: Unknown
Material: Precoat							
Declaration	Thickener	0-1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Emulsion Styrene/butadiene	9003-55-8	0-5%	IARC3				The occupants can be exposed to the VOC emissions from the emulsion styrene-butadiene rubber. The final product has passed the low VOC test. Hence, it is not expected to be harmful to the end users based on current scientific evidence.  Recycled Content: None Nanomaterials: Yes
Declaration	Solvent	0-5%	IARC3				Recycled Content: Unknown Nanomaterials: Unknown
Water	7732-18-5	0-5%	None				Recycled Content: None Nanomaterials: None
Calcium Carbonate	471-34-1	10-15%	None				Recycled Content: None Nanomaterials: None
Magnesium Carbonate	546-93-0	0-5%	None				Recycled Content: None Nanomaterials: None
Declaration	Filler	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Declaration	Dispersion	0-1%	None				Recycled Content: Unknown Nanomaterials: Unknown

Sulfuric acid, mono-C10-16-alkylesters, sodium salts	68585-47-7	0-1%	Acute Tox. 4, Skin Irrit. 2, eye Dam. 1				Sulfuric acid, mono-C10-16-alkylesters, sodium salts can be harmful when it directly contacts to skin and eyes, and it is harmful when it is swallowed. However, the ingredient is embedded in the product during the manufacturing process. The hazards will not be presented in the final product. Therefore it is not expected to be harmful to the end user.  Recycled Content: None Nanomaterials: None
Declaration	Solution	0-1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Material: Bitumen							
Declaration	Additive	0-5%	Acute Tox. 4, Skin Irrit. 2, eye Dam. 1				Sulfuric acid, mono-C10-16-alkylesters, sodium salts can be harmful when it directly contacts to skin and eyes, and it is harmful when it is swallowed. However, the ingredient is embedded in the product during the manufacturing process. The hazards will not be presented in the final product. Therefore it is not expected to be harmful to the end user.  Recycled Content: None Nanomaterials: None
Declaration	Additive	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Diiron Tri(sulphate)	10028-22-5	0-5%	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Met. Corr. 1, Skin Sens. 1				Diiron Tri(sulphate) can be harmful when it directly contacts to skin and eyes, and it is harmful when it is swallowed. However, the ingredient is embedded in the product during the manufacturing process. The hazards will not be presented in the final product. Therefore it is not expected to be harmful to the end user.  Recycled Content: None Nanomaterials: None
Complex combination of hydrocarbons obtained from Fisher-Tropsch synthesis	002-74-2	0-5%	None				Recycled Content: None Nanomaterials: Unknown
Declaration	Additive	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Asphalt	8052-42-4	10-20%	None				Recycled Content: None Nanomaterials: Unknown
Declaration	Solution	0-5%	None				Recycled Content: Unknown Nanomaterials: Unknown

**Comments:**

VOC emissions: Global GreenTag International Program Standard v4.0 Carpet and Floor Coverings Supplementary Standard in accordance with requirements of the Green Building Council of Australia, Green Building Council South Africa and LEED v4, as updated from time to time.

VOC content: TVOC mg/m<sup>2</sup>/hr for product is <0.5 mg/m<sup>2</sup>/hr measured using Test method ASTM D5116 "Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Material/Products". Sample tested in November 2016 at FORAY Laboratories - ISO 17025 Accredited. Test approved by CETEC.