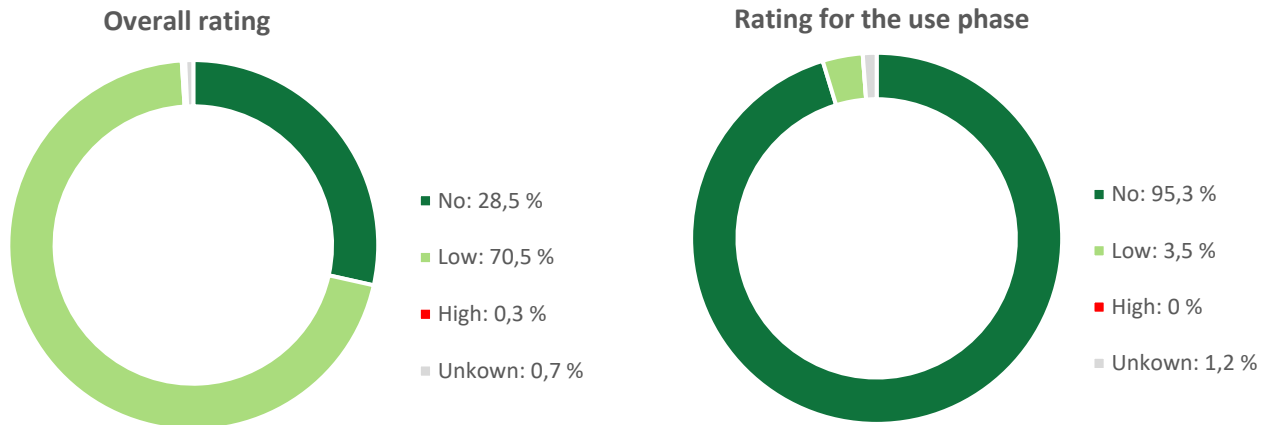


## DESSO EcoBase PA6 Solution Dyed Carpet Tiles

<b>Company:</b>	<b>TARKETT</b>
<b>Product specifications</b>	DESSO AirMaster Atmos EcoBase, DESSO AirMaster Earth EcoBase, DESSO AirMaster Classic EcoBase, DESSO AirMaster Savera EcoBase, DESSO AirMaster Savera Shade EcoBase, DESSO AirMaster Sphere EcoBase, DESSO AirMaster Tones EcoBase, DESSO AirMaster Stitch Core EcoBase, DESSO AirMaster Stitch EcoBase, DESSO AirMaster Reflection EcoBase, DESSO Arable EcoBase, DESSO Avenue EcoBase, DESSO Base Ecobase™, DESSO Colour Nuances EcoBase, DESSO Colourant EcoBase, DESSO Desert AirMaster EcoBase, DESSO Desert EcoBase, DESSO Eclectic EcoBase, DESSO Essence EcoBase, DESSO Essence Maze EcoBase, DESSO Essence Pure EcoBase, DESSO Essence Roots EcoBase, DESSO Essence Stripe EcoBase, DESSO Essence Structure EcoBase, DESSO Essence Traces EcoBase, DESSO Fields EcoBase, DESSO Fuse Create EcoBase, DESSO Fuse EcoBase, DESSO Futurity EcoBase, DESSO Grain EcoBase, DESSO Grezzo EcoBase, DESSO Grezzo Bloom EcoBase, DESSO Grezzo Vivid EcoBase, DESSO Iconic EcoBase, DESSO Jeans Original EcoBase, DESSO Jeans Stonewash EcoBase, DESSO Jeans Twill EcoBase, DESSO Linon EcoBase, DESSO Metallic Shades EcoBase, DESSO Metropol EcoBase, DESSO & Patricia Urquiola EcoBase , DESSO Recharge EcoBase, DESSO Retrace EcoBase, DESSO Rock EcoBase, DESSO Salt EcoBase, DESSO Scenic EcoBase, DESSO Serene Colour EcoBase, DESSO Serene EcoBase, DESSO Shape EcoBase, DESSO Solid EcoBase, DESSO Stratos Blocks EcoBase, DESSO Stratos EcoBase, DESSO Traverse EcoBase, DESSO Verso EcoBase, DESSO Vista EcoBase. DESSO Marvel EcoBase
<b>Issue date:</b>	21. March 2023
<b>Expiration date:</b>	04. November 2025
<b>Evaluation and declaration threshold:</b>	At least 100 ppm of the final product
<b>After-use scenario:</b>	Tarkett proposes to take back your products after use, thanks to the <a href="#">TARKETT ReStart<sup>®</sup> Program</a> . <b>Check Tarkett national websites for Restart program availability.</b>
<b>EPEA Registry No:</b>	
<b>MHS Version:</b>	3.0

# DESSO Ecobase PA6 Solution Dyed Carpet Tiles

## Chemicals Risk Assessment: Concern level



This summary presents the average mass weighted distribution of material health ratings presented on next pages. Ratings address benefits and risks of chemical components of the product for humans and the living environment:

- during the phase of use of the product.
- overall while taking into account a) the last manufacturing step using raw materials leading to them in the product's composition, b) the production of raw materials in the supply chain as far as information is attainable from suppliers or from generic literature, and c) the intended management scenario after use.

The benefit and risk analysis follows a qualitative and quantitative breakdown of the product's chemical composition from the chemical composition of raw materials, a reconstruction of chemical transformation pathways and an anticipation of the chemical's behaviour during the intended after-use processing. This information is combined with physical and (eco)toxicological properties of pure chemicals obtained from governmental and non-governmental scientific organisations to derive a level of concern.

The MHS is making transparent at a point in time results of the company's activities for developing benefits of the product, including environmental and health benefits, with its purchasing and commercialization practices.

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING		GS-LT GS-BM <sup>(a)</sup>	REACH
				USE PHASE	OVERALL		
Polymers	Polyamide 6	25038-54-4	≤ 19%	Dark Green	Light Green	LT-UNK	✓
	Polyethylene terephthalate	25038-59-9	≤ 7%	Dark Green	Light Green	LT-UNK	✓
	Butadiene Styrene Copolymer	9003-55-8	≤ 12%	Dark Green	Light Green	LT-UNK	✓
	Polypropylene	9003-07-0	≤ 1%	Dark Green	Light Green	LT-P1	✓
	Other polymers	Proprietary	≤ 5%	Dark Green	Light Green	LT-UNK	✓
<i>Polymers involved in different layers of the carpet. Polyamide 6, the main polymer the yarn is consisting of, is a state-of-the-art technical nutrient which can be depolymerized for subsequent repolymerization to virgin-like quality. Synthesis impurity ε-caprolactam is of no concern.</i> Nanomaterials: No							
Fillers	Calcium carbonate	471-34-1	≤ 60%	Dark Green	Dark Green	LT-UNK	✓
	Crystalline silica - Quartz type <sup>(b)</sup>	14808-60-7		Light Green	Light Green	LT-1	✓
	Aluminum trihydrate	1333-84-2	≤ 60%	Dark Green	Light Green	BM2	✓
<i>Calcium carbonate, obtained as by-product of the processing of drinking water has a mean particle size of 250 µm and low level of quartz. Aluminium trihydrate is a filler with flame retardant properties and a mean size of 11 µm. No concern in the finished product.</i> Nanomaterials: No							

# DESSO Ecobase PA6 Solution Dyed Carpet Tiles

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING		GS-LT GS-BM <sup>(a)</sup>	REACH		
				USE PHASE	OVERALL				
Coloration agents	Carbon black	1333-86-4	< 1%			BM1	✓		
	Titanium dioxide	13463-67-7				LT-1	✓		
	Other pigments	Proprietary					LT-UNK	✓	
							N.I.	✓	
								LT-UNK	✓
								BM1	✓
								None	✓
				BM1	✓				
<p><i>Potential health issues related to dust inhalation during production of mineral pigments. No concern in the finished product. Contained halogens and heavy metals in organic pigments determine the red rating. Few pigments are not explicitly defined but likely to be encompassed in the list of defined pigments.</i></p> <p><i>Nonomaterials: Not verified</i></p>									
Reinforcement	Glass scrim	65997-17-3	≤ 0.8%			LT-UNK	✓		
	<p><i>Glass filaments embedded in the heavy coating. No concern.</i></p> <p><i>Nanomaterials: No</i></p>								
Additives, processing aids, impurities	White mineral oil (petroleum)	8042-47-5	< 10%			LT-UNK	✓		
	Alcohols, C16-18, ethoxylated	68439-49-6				LT-P1	✓		
	Other additives, processing aid chemicals and impurities	Proprietary					LT-UNK	✓	
							LT-P1	✓	
							LT-UNK	✓	
							LT-UNK	✓	
							None	✓	
				N.I.	-				
<p><i>Surfactants, thickener, defoamer, antistatic agents, antioxidant, stabilizer, lubricant, etc. No issues. Additives and processing aids have a functional purpose in the production process or had one to produce inputs by suppliers. Some are still undefined. Rating based on low content of each chemical in finished products.</i></p> <p><i>Nanomaterials: Not excluded</i></p>									
<b>THEREOF</b>									
Content sourced from abundant minerals			≤ 8%						
Recycled content	- Internal post-industrial source		≤ 66.1%	<p><i>Used calcium carbonate occurs as by-product of industrial operations and polyamide 6 originates partly from recycling operations of both pre-use and post-use material sources.</i></p>					
	- Post-installation / Pre-use source								
	- Post-use source								
Biologically renewable content	- Animal		-	<p><i>No chemicals can be traced back to animal sources. The main contributor to this figure is a wood extract derivative.</i></p>					
	- Vegetal		≤ 5%						





EPEA's rating methodology is based on the Cradle-to-Cradle approach with the European Precautionary principle. It is made in relation with a quality target, an after-use scenario and on the background of the specific supply chain materials used by the article's manufacturer. The assessment of hazard/safety properties of chemicals is made at the best of our knowledge at the date of MHS™ issue (see further [MHS V3.0 Development Guidance](#)). EPEA believes the data forth herein are accurate as of the date hereof. EPEA makes no warranty with respect thereto and expressly denies all liability for reliance thereon. Such data are offered solely for your consideration, investigation, and verification.

  
**Dr. Peter Möhle**  
 Partner & Managing Director

  
**Dr. Alain Rivière**  
 Scientific Supervisor

# DESSO Ecobase PA6 Solution Dyed Carpet Tiles

## Legend:

EPEA RATINGS	REACH compliance:	GS-LT <sup>(b)</sup>	GS- BM <sup>(b)</sup>
 No concern	✓: Substance is listed neither in Annex XIV nor in Annex XVII nor as SVHC and complies with European Union Regulation EC 1907/2006 applicable to this article. XVII or XIV: Substance listed in Annex XVII (Restriction) or Annex XIV (Authorisation) of REACH regulation applicable to this article SVHC: Substance of Very High Concern. Candidate for listing in Annex XIV (Authorization list) of REACH Regulation at a concentration above 0.1% - : Not applicable due to missing CAS	<b>LT-1:</b> Chemical is found on an authoritative list of the most-toxic chemicals <b>LT-P1:</b> Chemical may be a serious hazard, but the confidence level is lower <b>LT-UNK:</b> Unknown (no data on List Translator Lists)	<b>BM1:</b> Avoid: Chemical of High Concern <b>BM2:</b> Use but search for Safer Substitutes <b>BM3:</b> Use but still opportunity for improvement <b>BM4:</b> Prefer: Safer Chemical BMU: "Unspecified"; insufficient data N.I. (No GS rating): Chemical is not listed in the source of GS and GS-LT ratings
 low concern			
 High concern – Task for material optimization			
 Risk cannot be verified Task for knowledge development			

(a) GreenScreen List Translator Score and GreenScreen Benchmark Score according to [3E Exchange](#)

(b) Component originating either from the natural resource or from virgin or recycled raw material without functionality in the product's context.

(c) Proprieties can be due to the decision of the producer or result from non-communication of the full composition of used raw materials either to producer, or to EPEA, or both.

(d) [EPEA's position on PVC and chlorine management](#)

(e) [Californian Respiratory Exposure Limits \(CREL\)](#)

(f) [EU-Lowest Concentrations of Interest \(LCI values\)](#)



# Tarkett B.V.

has successfully achieved Cradle to Cradle Certified® Silver for the product(s) under the name:

## DESSO EcoBase® PA6 Solution Dyed Carpet Tiles

Certification Number  
**6950**

Standard Version  
**3.1**

Lead Assessment Body  
**EPEA GmbH - Part of Drees & Sommer**

Material Health  
Assessment Body  
**EPEA GmbH - Part of Drees & Sommer**

Effective Date  
**15 March 2024**

Expiration Date  
**04 November 2025**

Please see the List of Certified Products (available on the Cradle to Cradle Certified Product Registry) for all products covered within the scope of this certificate.

Several products are available with SoundMaster® Thrive as alternative backing.

A handwritten signature in blue ink, appearing to read "Elwyn Grainger-Jones".

Elwyn Grainger-Jones  
Executive Director  
Cradle to Cradle Products Innovation Institute