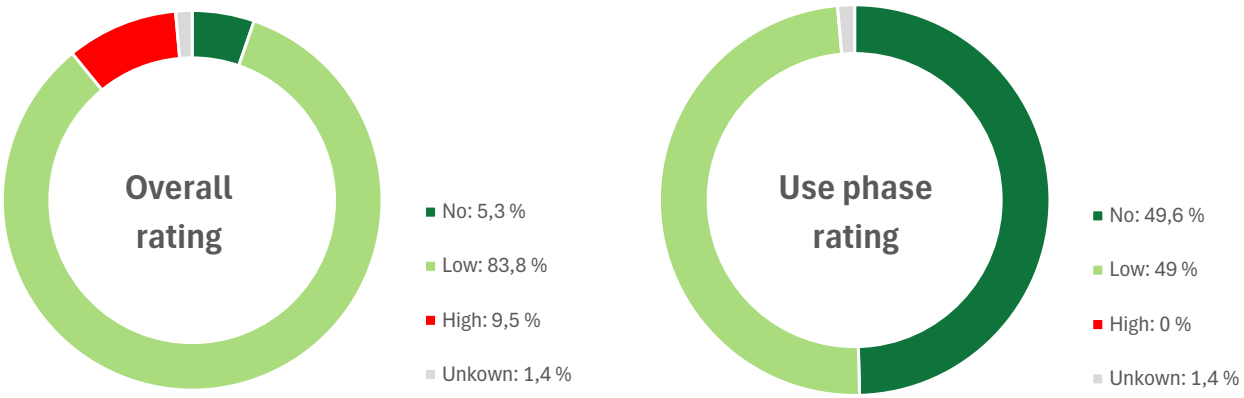
iQ Range

Company	**TARKETT**
Product specifications	**iQ Granit, Granit Multisafe, Granit Safe T, iQ Megalit, iQ eminent, iQ Optima, iQ Surface, iQ Granit SD, iQ Toro SC, iQ Loop, iQ Motion, iQ Granit Acoustic, iQ Eminent Acoustic, iQ Surface Acoustic, iQ Optima Acoustic, iQ Megalit Acoustic, iQ Motion Acoustic**
Issue date:	**08. August 2025 - Reprint 10. November 2025**
Expiration date:	**07. August 2027**
Declaration and evaluation threshold:	At least 100 ppm of the final product
After-use scenario:	ReStart® recycling and take-back programme[(a)]
EPEA Registry No:	45597
MHS Version:	3.0

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,
  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	CHEMICALS (Maximally present at ≥ 0,01%)	CAS	CONTENT (average)	EPEA RATING		GS-LT GS-BM[(c)]	REACH
				USE PHASE	OVERALL		
PVC	Polyvinyl chloride	9002-86-2	≥ 48,8%			LT-P1	✓
	Proprietary	Proprietary	≤0,5%			N.I.	-
	Transitional use of PVC is tolerated in durable applications designed with good materials and a collection and recycling program in place[(b)]. Vinyl chloride content is below 1 ppm in purchased products. Tarkett proposes to take back your installation residues and plans to propose to take back your products after use, thanks to the ReStart® program[(a)]. The PVC resin products are produced with chlorine originating from membrane-based chloralkali processes according to today best available technologies. Suppliers of the PVC resin products do not disclose the identity of polymerization auxiliaries. Mentioned amounts are estimate maxima based on scientific literature and the knowledge of the polymerization process type. **Check Tarkett national websites for Restart® program availability.** Nanomaterials: No						
Fillers	Calcium carbonate	471-34-1	28,63%			LT-UNK	✓
	Quartz	14808-60-7				LT-1	✓
	Other fillers	Proprietary				LT-UNK	✓
						LT-UNK	✓
						None	✓
						LT-1	✓
	Fillers consist of pulverized stones and synthetic mineral fillers with mean particle sizes varying between 2 and 120 µm. Different levels of concerns are related to quartz, a natural component of these stones. Especially the production of a raw material consisting of particles with a mean size of 2 µm is a matter of concern during its production and its handling during the flooring production. No concerns in the final product because particles are embedded in the polymer matrix. Nanomaterials: No						

Plasticizers	1,2-Cyclohexanedicarbo-xylic acid, diisononyl ester (DINCH)	166412-78-8	15,19%			LT-UNK	✓
	1,2-Cyclohexanedicarbo-xylic acid, 1-methyl, 2-iisononyl ester (MINCH)	*Not available*				N.I.	✓
	Dioctyl terephthalate (DOTP)	4654-26-6				None	✓
	Reaction mass of: ethylenebis(oxyethylene) dibenzoate and oxydiethylene dibenzoate and oxydipropyl dibenzoate	Not available				N.I.	✓
	Dioctyl adipate (DOA)	123-79-5				LT-P1	✓
	DINCH, DOA, DOTP and Benzoate plasticizers are alternatives to phthalate plasticizers approved for food contact applications with high migration limit reflecting a much better safety profile. With DINCH no toxicity is identifiable, especially no mutagenicity, carcinogenicity or reproductive toxicity observed in animal tests. No concern with the synthesis impurity MINCH irrespective of its amount being < 0.1% in the total composition. No concern with other plasticizers as well, especially no disruption of developmental pathways observed with metabolic products of DOTP. Nanomaterials: No						
Heat stabilizers	Soybean oil, epoxidized (ESBO)	8013-07-8	4,67%			LT-P1	✓
	Other heat stabilizing chemicals of a calcium/zinc-based system	Proprietary				LT-UNK	✓
						LT-UNK	✓
						LT-P1	✓
						LT-P1	✓
						LT-P1	✓
						None	✓
	ESBO is a scavenger of hydrochloric acid that may be formed during the flooring use period and amounts to > 75% of heat stabilizing chemicals. It has a plasticizing effect in addition. Zinc and calcium are essential elements for life. The migration potential of the different components of the heat stabilization system is unknown but expected low. No concern in the finished product. Nanomaterials: No						
Coloration agents	Titanium dioxide	13463-67-7	0,83%			LT-1	✓
	Carbon black	1333-86-4				BM1	✓
	C.I. Pigment Blue 29	101357-30-6				LT-UNK	✓
	C.I. Pigment Yellow 95	5280-80-8				LT-P1	✓
	C.I. Pigment Red 254	84632-65-5				LT-UNK	✓
	Potential health issue related to dust inhalation during mining/production of titanium dioxide. No concern in the finished product. Copper containing pigments are not recommended in the context of PVC because of the catalytic activity of copper for the formation of dioxins in case of fire. Chlorinated pigments are not recommended for reasons explained in "EPEA's position on PVC and chlorine management"[(a)]. They are labelled red for these reasons. Nanomaterials: Not verified, yet for other pigments than titanium dioxide						

Additives, processing aids, impurities	Diiron oxide (Fe2O3)	1309-37-1	1,13%			BM1	✓
	Aluminium orthophosphate	7784-30-7				LT-P1	✓
	Fumes, silica	69012-64-2				LT-P1	✓
	Aluminium	91728-14-2				BM1	✓
	Aluminium hydroxide	21645-51-2				BM2	✓
	Other additives, processing aids, impurities	Proprietary				LT-UNK	✓
						BM3	✓
						LT-P1	✓
						N.I.	-
	Chemicals in this section consist mostly of formulation auxiliaries for coloration agents and the undefined part of the production input that flows into the products' composition. Undefined chemicals have the highest share in this section. They are a task for further attempts to resolve the chemical definition gap. Nanomaterials: Not verified						
9. Surface Treatment	Proprietary	Proprietary	0,01%			LT-UNK	✓
	Mixture of precursors for the production of a complex polymeric polyurethane / acrylate structure via curing with photoinitiators that are themselves incorporated in the polymeric structure. Nanomaterials: No						

RESOURCE ORIGIN

Content sourced from abundant minerals		55,18%	Mineral fillers and the chlorine part of PVC are obtained from abundant mineral resources
Recycled content	- Internal post-industrial	24,50%	The iQ range is produced with recycled content with the same chemical composition as the primary content.
	- Post-installation	1,00%	
	- Post-use source		
Biologically renewable content	- Animal	-	No chemicals with an animal origin are identified. ESBO and minor other components have a vegetal origin.
	- Vegetal	4,16%	

EPEA's rating methodology [(d)] 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. 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.

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Legend:

EPEA RATINGS	REACH compliance	GS-LT / GS- BM[(a)]
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	**LT-1**: Chemical is found on an authoritative list of the most-toxic chemicals **LT-P1**: Chemical may be a serious hazard, but the confidence level is lower
low concern	**XVII or XIV**: Substance listed in Annex XVII (Restriction) or Annex XIV (Authorisation) of REACH regulation applicable to this article	**LT-UNK**: Unknown (no data on List Translator Lists) **BM1**: Avoid: Chemical of High Concern **BM2**: Use but search for Safer Substitutes
High concern. Task for material optimization	**SVHC**: Substance of Very High Concern. Candidate for listing in Annex XIV (Authorization list) of REACH Regulation at a concentration above 0.1%	**BM3**: Use but still opportunity for improvement **BM4**: Prefer: Safer Chemical **BMU**: "Unspecified"; insufficient data
Risk cannot be verified. Task for knowledge development	**-** : Not applicable due to missing CAS#	**N.I.**: (No GS rating): Chemical is not listed in the source of GS and GS-LT ratings

(a) ReStart® recycling and take-back programme(a)
https://professionals.tarkett.com/en_EU/node/restart-recycling-take-back-programme-9721

(b) Charter for a responsible use of PVC and chlorine management
https://www.epea.com/en/news/pvc-chlorine-management

(c) GreenScreen List Translator Score and GreenScreen Benchmark Score according to 3E Exchange
https://exchange.3eco.com/Substances/Search

(d) EPEA MHS V3.0 Development Guidance
https://epea.com/fileadmin/user_upload/2.0_Leistungen/MHS_Guidance_document_V3.0_EPEA_15.09.2023.pdf

(e) VOC regulation compliance (tested on iQ Granit in June 2024)
- ✓ French VOC regulations DEVL 1101903D and DEVL1104875A modified 2012 (DEVL 1133129A)
- ✓ French CMR components (2009) DEVP0908633A and DEVP0910064A (April and May 2009)
- ✓ Belgian VOC regulation C-2014/24239 (2014)
- ✓ BREEAM Exemplary Level v6.0 (2021)
- ✓ BREEAM NOR v6.1 (2023)
- ✓ Italian CAM Edilizia (Nr. 183 - 2022)
- ✓ German AgBB (2021)
- ✓ German DE-UZ 120 (Blue Angel)
- ✓ EU-Taxonomy
- ✓ Lead v4.1 Beta (ouside U.S.)
- ✓ Formaldehyde emission class (EN 6516 (2020) EN 14041:2018
- ✓ Indoor Air Comfort Gold v9.0 (2023)