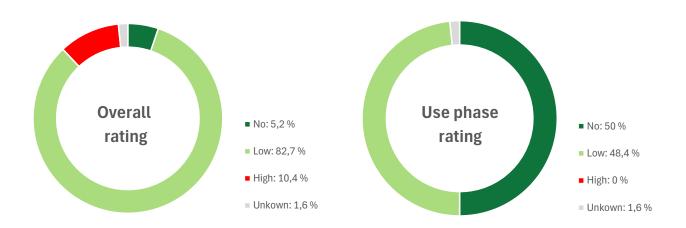


PVC - iQ RANGE BIOATTRIBUTED - 2025

| Company | TARKETT |
|---------------------------------------|---|
| Product specifications | iQ Granit bio, iQ Granit Acoustic bio, iQ surface bio, iQ eminent bio |
| Issue date: | 08. Aug 25 |
| Expiration date: | 07. Aug 27 |
| 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: | 45598 |
| 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.



| | CHEMICALS | CAS | CONTENT (average) | EPEA RATING | | GS-LT | |
|--------------|--|--|---|--|--|--|--|
| FUNCTION | (Maximally present at ≥ 0,01%) | | | USE PHASE | OVERALL | GS-BM ^(c) | REACH |
| | Polyvinyl chloride | 9002-86-2 | ≥ 48,17% | | | LT-P1 | ✓ |
| | Proprietary Transitional use of PVC is tolerated | Proprietary | ≤0,67% | | | N.I. | - |
| PVC | recycling program in place ^(b) . Vinyloto take back your installation residunce. ReStart® program ^(a) . The PVC resing chloralkali processes according to not disclose the identity of polymer scientific literature and the knowled for Restart® program availability. Nanomaterials: No | ues and plans products are p today best ava ization auxilia | to propose to produced wit ailable techn ries. Mention | o take back y h chlorine o ologies. Sup ned amounts | your products riginating from opliers of the l s are estimate | s after use, th m membrane PVC resin pro e maxima bas | anks to t -based oducts do sed on |
| | Calcium carbonate | 471-34-1 | | | | LT-UNK | ✓ |
| | Quartz | 14808-60-7 | 27,83% | | | LT-1 | ✓ |
| | | | 27,0370 | | | LT-UNK | √ |
| | Other fillers | Proprietary | | | | LT-UNK | ✓ ✓ |
| | | | | | | None LT-1 | |
| Fillers | Fillers consist of pulverized stones 120 µm. Different levels of concern production of a raw material consis production and its handling during are embedded in the polymer matri | s are related to ting of particle the flooring pr | o quartz, a n es with a me | atural comp an size of 2 μ | onent of thes um is a matte | e stones. Esp r of concern | pecially t during its |
| | 120 µm. Different levels of concern production of a raw material consis | s are related to ting of particle the flooring pr | o quartz, a n es with a me | atural comp an size of 2 μ | onent of thes um is a matte | e stones. Esp r of concern | pecially t during its |
| | 120 µm. Different levels of concern production of a raw material consist production and its handling during are embedded in the polymer matri | s are related to ting of particle the flooring pr | o quartz, a n es with a me oduction. No | atural comp an size of 2 μ | onent of thes um is a matte | e stones. Esp r of concern | pecially t during its |
| | 120 µm. Different levels of concern production of a raw material consist production and its handling during are embedded in the polymer matri Nanomaterials: No 1,2-Cyclohexanedicarbo-xylic | s are related t ting of particl the flooring pr x. | o quartz, a n es with a me oduction. No | atural comp an size of 2 μ | onent of thes um is a matte | e stones. Esp r of concern duct becaus | oecially t during its e particl |
| | 120 µm. Different levels of concern production of a raw material consist production and its handling during are embedded in the polymer matrice. No 1,2-Cyclohexanedicarbo-xylic acid, diisononyl ester (DINCH) 1,2-Cyclohexanedicarboxylic acid, 1- | s are related t ting of particl the flooring pr x. | o quartz, a ne es with a me oduction. No | atural comp an size of 2 μ | onent of thes um is a matte | e stones. Esp r of concern duct becaus | pecially to during its e particle |
| Plasticizers | 120 µm. Different levels of concern production of a raw material consist production and its handling during are embedded in the polymer matrix. Nanomaterials: No 1,2-Cyclohexanedicarbo-xylic acid, diisononyl ester (DINCH) 1,2-Cyclohexanedicarboxylic acid, 1-methyl, 2-iisononyl ester (MINCH) Reaction mass of: ethylenebis (oxyethylene) dibenzoate and oxydiethylene dibenzoate and | s are related to thing of particulating of particulating properties. 166412-78-8 Not available | o quartz, a ne es with a me oduction. No | atural comp an size of 2 μ | onent of thes um is a matte | e stones. Esp r of concern duct becaus LT-UNK N.I. | pecially t during its e particle |



| | Soybean oil, epoxidized | 8013-07-8 | | | | LT-P1 | √ | | | | |
|-----------------------|--|--|---|---|------------------------------|--|--|--|--|--|--|
| | Soybean oit, epoxidized | 0013-07-0 | | | | LT-P1 | | | | | |
| | | | 4,53% | | | LT-UNK | | | | | |
| | | | | | | | | | | | |
| | Other components of a Calcium/zinc-based PVC heat | | | | | BM3 | √ | | | | |
| | | Proprietary | | | | LT-UNK | ✓ | | | | |
| | stabilizing system. | | | | | LT-P1 | | | | | |
| | | | | | | LT-P1 | √ | | | | |
| Heat stabilizers | | | | | | LT-P1 | √ | | | | |
| | | | | | | LT-P1 | ✓ | | | | |
| | ESBO is a scavenger of hydrochloric | | | | | | | | | | |
| | plasticizing effect in addition. Zinc a | and calcium a | re essential | l elements fo | r life. The m | igration potent | ial of the | | | | |
| | different components of the heat st | abilization sys | stem is unkr | nown but exp | ected low. I | No concern in t | he finished | | | | |
| | product. | | | | | | | | | | |
| | | | | | | | | | | | |
| | Nanomaterials: No | | | | | | | | | | |
| | Titanium dioxide | 13463-67-7 | | | | LT-1 | ✓ | | | | |
| | Carbon black | 1333-86-4 | | | | BM1 | ✓ | | | | |
| | C.I. Pigment Green 7 | 1328-53-6 | 1,24% | | | LT-UNK | ✓ | | | | |
| | C.I. Pigment Yellow 95 | 5280-80-8 | | | | LT-P1 | ✓ | | | | |
| | | | | | | | √ | | | | |
| | | 147-14-8 | | | 0.1.1 Ignicit blac 10 | | | | | | |
| Coloration agents | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained. | ining pigments ormation of did | s are not rec oxins in case | commended e of fire. Chlo | in the conte orinated pig | dioxide. No co ext of PVC beca ments are not | ncern in use of the | | | | |
| Coloration agents | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. | st inhalation d ining pigments ormation of did ed in "EPEA's p | s are not rec oxins in case position on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No co ext of PVC beca ments are not | ncern in use of the | | | | |
| Coloration agents | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for | st inhalation d ining pigments ormation of did ed in "EPEA's p other pigmen | s are not rec oxins in case position on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No co ext of PVC beca ments are not ement" ^(a) . They | ncern in use of the are | | | | |
| Coloration agents | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate | st inhalation d ining pigments ormation of did ed in "EPEA's p other pigmen | s are not rec oxins in case position on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No co ext of PVC beca ments are not ement" ^(a) . They | ncern in use of the | | | | |
| Coloration agents | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica | st inhalation d ining pigments ormation of did ed in "EPEA's p other pigmen 7784-30-7 69012-64-2 | s are not rec oxins in case position on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No co ext of PVC beca ments are not ement" ^(a) . They | ncern in use of the | | | | |
| Coloration agents | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) | st inhalation d ining pigments ormation of did ed in "EPEA's p other pigmen 7784-30-7 69012-64-2 1309-37-1 | s are not rec oxins in case position on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No coext of PVC becaments are not ement" (a). They | oncern in use of the | | | | |
| Coloration agents | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica | st inhalation d ining pigments ormation of did ed in "EPEA's p other pigmen 7784-30-7 69012-64-2 | s are not rec oxins in case position on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No coext of PVC becaments are not ement" (a). They | oncern in use of the | | | | |
| Coloration agents | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) | st inhalation d ining pigments ormation of did ed in "EPEA's p other pigmen 7784-30-7 69012-64-2 1309-37-1 | s are not rec oxins in case position on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No coext of PVC becaments are not ement" (a). They | are | | | | |
| Coloration agents | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) Aluminium hydroxide | st inhalation d ining pigments ormation of did ed in "EPEA's p other pigmen 7784-30-7 69012-64-2 1309-37-1 | s are not rec oxins in case osition on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No coext of PVC becaments are not ement" (a). They | recorn in use of the | | | | |
| | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) Aluminium hydroxide Other additives, processing aids or | st inhalation d ining pigments ormation of did ed in "EPEA's p other pigmen 7784-30-7 69012-64-2 1309-37-1 | s are not rec oxins in case osition on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No coext of PVC becaments are not ement" (a). They | are | | | | |
| Additives, processing | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) Aluminium hydroxide | other pigment 7784-30-7 69012-64-2 1309-37-1 21645-51-2 | s are not rec oxins in case osition on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No coext of PVC becaments are not ement" (a). They becament the LT-P1 becament became becam | recorn in use of the | | | | |
| | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) Aluminium hydroxide Other additives, processing aids or | other pigment 7784-30-7 69012-64-2 1309-37-1 21645-51-2 | s are not rec oxins in case osition on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No coext of PVC becaments are not ement" (a). They | are | | | | |
| Additives, processing | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) Aluminium hydroxide Other additives, processing aids or | other pigment 7784-30-7 69012-64-2 1309-37-1 21645-51-2 | s are not rec oxins in case osition on F | commended e of fire. Chlo PVC and chlo | in the conte orinated pig | dioxide. No coext of PVC becaments are not ement" (a). They becament the LT-P1 becament became becam | are | | | | |
| Additives, processing | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) Aluminium hydroxide Other additives, processing aids or | st inhalation dining pigments ormation of did in "EPEA's pother pigment of the pi | s are not rec oxins in case osition on F ts than titan 1,06% | commended e of fire. Chlo PVC and chlo nium dioxide | in the conte | dioxide. No coext of PVC becaments are not ement" (a). They | are v v v v v v v v v v v v v | | | | |
| Additives, processing | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) Aluminium hydroxide Other additives, processing aids or impurities | st inhalation dining pigments ormation of did ed in "EPEA's p other pigment 7784-30-7 69012-64-2 1309-37-1 21645-51-2 Proprietary | s are not recoxins in case oxins in case oxition on F ts than titan 1,06% | commended e of fire. Chlo PVC and chlo nium dioxide | in the conte | dioxide. No coext of PVC becaments are not ement" (a). They becament the ment of the ment | refined part | | | | |
| Additives, processing | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) Aluminium hydroxide Other additives, processing aids or impurities Chemicals in this section consist means to describe the description of the section consist means to describe the description of the section consist means the section c | st inhalation dining pigments ormation of did ed in "EPEA's p other pigment 7784-30-7 69012-64-2 1309-37-1 21645-51-2 Proprietary | s are not recoxins in case oxins in case oxition on F ts than titan 1,06% | commended e of fire. Chlo PVC and chlo nium dioxide | in the conte | dioxide. No coext of PVC becaments are not ement" (a). They becament the ment of the ment | refined part | | | | |
| Additives, processing | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) Aluminium hydroxide Other additives, processing aids or impurities Chemicals in this section consist monof the production input that flows in | st inhalation dining pigments ormation of did ed in "EPEA's p other pigment 7784-30-7 69012-64-2 1309-37-1 21645-51-2 Proprietary | s are not recoxins in case oxins in case oxition on F ts than titan 1,06% | commended e of fire. Chlo PVC and chlo nium dioxide | in the conte | dioxide. No coext of PVC becaments are not ement" (a). They becament the ment of the ment | refined part | | | | |
| Additives, processing | C.I. Pigment Blue 15 Potential health issue related to due the finished product. Copper conta catalytic activity of copper for the for recommended for reasons explained labelled red for these reasons. Nanomaterials: Not verified, yet for Aluminium orthophosphate Fumes, silica Diiron oxide (Fe2O3) Aluminium hydroxide Other additives, processing aids or impurities Chemicals in this section consist monof the production input that flows in | st inhalation dining pigments ormation of did ed in "EPEA's p other pigment 7784-30-7 69012-64-2 1309-37-1 21645-51-2 Proprietary | s are not recoxins in case oxins in case oxition on F ts than titan 1,06% | commended e of fire. Chlo PVC and chlo nium dioxide | in the conte | dioxide. No coext of PVC becaments are not ement" (a). They becament the ment of the ment | refined part | | | | |



| | Precursors of a polyurethane / acrylic surface treatment | Proprietary | 0,28% | | LT-UNK | ✓ |
|---------------------------|---|-----------------|--------------|--|-----------------------------------|---------------------|
| | | | | | LT-UNK | ✓ |
| | | | | | LT-P1 | ✓ |
| | | | | | N.I. | ✓ |
| | The surface treatment is acting as a | a protection in | two ways: it | prevents volatiles organi | ic compounds | residually |
| Surface treatment | contained in the product to migrate out of it (e) and it protects to indoor air quality properties as a result. Listed chemicals are a complex polymeric structure via curing with photoinitiators. To CAS number but approximately as aliphatic urethane acrylic recompounds. Nanomaterials: No | | | | or the product ot exactly defi | tion of a ned by |
| RESOURCE ORIGIN | | | | | | |
| Content sourced from abun | dant minerals | | 52,11% | Fillers and the chlorine prom abundant mineral i | | iginate |
| | - Internal post-industrial | | 24,50% | The iQ Bioattributed range is produced | | d with |
| Recycled content | - Post-installation | | 1,00% | recycled content with the same chemical | | |
| | - Post-use source | | - | composition as the primary content. | | |
| Biologically renewable | - Animal | | - | Epoxidized soybean oil a | and a minor pr | rocessing |
| content | - Vegetal | | 4,36% | aid are produced with plant oils. | | |

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.

J. a. La

Dr. Jan Christoph von der Lancken Managing Director EPEA Industry

CEPEA

PART OF DREES & SOMMER

Alain Rivière

Dr. Alain Rivière Scientific Supervisor



Legend:

| EPEA R | ATINGS | 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 SVHC: Substance of Very High Concern. | LT-UNK: Unknown (no data on List Translator Lists) BM1: Avoid: Chemical of High Concern BM2: Use but search for Safer Substitutes BM3: Use but still opportunity for improvement |
| • | High concern. Task for material optimization | Candidate for listing in Annex XIV (Authorization list) of REACH Regulation at a concentration above 0.1% -: Not applicable due to missing CAS# | BM4: 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 |
| | Risk cannot be verified. Task for knowledge development | | |

- (a) ReStart® recycling and take-back programme(a)
 - $\underline{https://professionals.tarkett.com/en_EU/node/restart-recycling-take-back-programme-9721}$
- (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
 - ✓ French VOC regulations DEVL 1101903D and DEVL1104875A modified 2012 (DEVL 1133129A)
 - $\checkmark~$ French CMR components (2009) DEVP0908633A and DEVP0910064A (April and May 2009)
 - \checkmark 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.)
 - \checkmark Formaldehyde emission class (EN 6516 (2020) EN 14041:2018
 - ✓ Indoor Air Comfort Gold v9.0 (2023)