

SUSTAINABILITY DATA SHEET

SYSTEXX Fleece Glass 225 Si

Inorganic glass fleece as a base for silicate systems

Product description

The SYSTEXX Fleece Glass 225 Si is a silicate glass fleece with a high inorganic content of $\geq 90\%$. The glass fiber filaments based on silicate glass are refined with a filler-rich, sodium silicate-containing special coating to ensure the best possible processability with a minimum organic content. For a detailed product description and instructions on application, please refer to the technical data sheet. Available online at www.vitrulan.com.

CE information

CE Declaration of Performance acc. EN 15102:2007+A1:2011	Available, see www.vitrulan.com
Fire behavior acc. DIN EN 13501-1	B-s1, d0
Formaldehyde release acc. EN 15102:2007+A1:2011	Passed
Heavy metals + certain elements acc. EN 15102:2007+A1:2011	Passed
Vinyl chloride monomer acc. EN 15102:2007+A1:2011	Passed

Indicators / test reports / expert opinions

Test reports	Available, see www.vitrulan.com
Umweltproduktdeklaration / Environmental Product Declaration acc. ISO 14025 and EN 15804+A2	Available, see www.vitrulan.com
CE Declaration of Performance acc. EN 15102:2007+A1:2011	Available, see www.vitrulan.com
VOC-Verordnung „Décret no 2011-321“ et „Arrêté relatif à l'étiquetage des produits de construction ou de revêtement de mur ou de sol et des peintures et vernis sur leurs émissions de polluants volatils NOR : DEVL1104875A (19.04.2011)“	A+, see www.vitrulan.com

Ingredients

Preservatives	Not included
Chlorinated paraffins, PBB, PBDE, TCEP, antimony trioxide	≤ 0,10 %
Lead, cadmium, chromium VI	not included (not part of the formulation)
Halogenated blowing agents	not included (not part of the formulation)

Information on building certification according to BREEAM

Hea 02 Table 17, e.g. Formaldehyde ≤ 0.1 mg/m³ (= exemplary level) = requirement fulfilled

Information on building certification according to DGNB

ENV 1.2, criterion 43: no chlorinated paraffins, no polybrominated biphenyls (PBB), no polybrominated biphenyl ethers (PBDE), no SVHC and no Antimony trioxide ≥ 0.1%
= requirement quality level 4 fulfilled

Information on building certification according to QNG

Annex document 313, item 5.4: Chlorinated paraffins, PBB, PBDE, TCEP ≤ 0.10 %
= requirement fulfilled

Information on building certification according to BNB

BNB_BN 1.1.6, Annex 1 (Version V 2015, as of 28.09.2017), item 45, hazardous individual substances: Chlorinated paraffins, PBDE, TCEP < 0.1 %
= requirement quality level 5 fulfilled

To the best of our knowledge and based on the composition of the silicate fleece and based on the information currently available in the safety data sheets of its raw materials, and although we have not carried out specific tests, we hereby confirm that polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), tris(2-chloroethyl) phosphate (TCEP) have not been intentionally added and we do not expect them to be present in the silicate fleece above the threshold concentration of 0.1%.

Please note that due to the complexity of building certifications, it is the responsibility of the user to check the suitability of this product for the intended certification system.

Information on building certification according to LEED v4.1

Materials and Resources, Building Life-Cycle Impact Reduction	Up to 5 points: Use data from environmental product declaration
Materials and Resources, Environmental product declarations	Up to 2 points: Environmental Product Declaration available
Materials and Resources, Sourcing of Raw Materials	Up to 2 points: Packaging materials are 100% recyclable. All cardboard used is FSC certified. Some of the cardboard used consists of recycled material.
Materials and Resources, Material Ingredients	Up to 2 points: REACH compliance letter available. SVHC ≤ 0.1 % confirmed
Indoor Environmental Quality, Low-Emitting Materials	Up to 3 points: VOC confirmations available (see above). Formaldehyde release according to standard (see declaration of performance)

Sustainability at Vitrulan

Just as the threads of our fabric are tightly interwoven, we are tightly bound to the concept of sustainability. We define the term sustainability not only as the use of natural, renewable resources such as plant fibers, but above all as our responsibility to safeguard our environment for future generations. At Vitrulan, sustainability is a way of life which we are continuously refining, and which is embedded in the fields of Environment, Social and Governance (ESG).

Environment

We work hard every day to improve our products and processes, make optimal use of resources, and avoid unnecessary transportation to protect the environment.

For example, we no longer use substances that are harmful to health, as confirmed by the OEKO-TEX certification. However, it is not enough to be mindful of sustainable development and production and have a circular business model – fundamental to our ethos is that our products make our customers more sustainable, too: our mesh fabrics and glass fiber wall coverings have been developed to increase the lifetime of buildings, extend renovation cycles and generate energy savings; our infrared heating systems can be virtually carbon neutral when operated in conjunction with photovoltaic modules – and without the need for heating pipes, radiators, or a boiler, they maximize resource savings; our technical textiles and composites can be used for lightweight construction, enabling wind turbines to have larger rotor blades and thus generate more energy on the same footprint, or vehicles to use less energy yet still achieve the same level of performance.

Social

We care about our employees. With their experience and diversity, they are chiefly responsible for our corporate success. Accordingly, we believe it is our responsibility to meet the needs of our employees in a sustainable manner – with a personnel and organizational strategy that offers ample scope for career development, attractive and meaningful tasks and a wide range of training and educational opportunities. But that's still not enough: we offer flexible working models which allow staff to achieve a better work-life balance, we recognize our responsibilities to our employees in terms of safeguarding their health and upholding their workers' rights, we promote tolerance and equal opportunities, and we support not-for-profit organizations as part of our corporate citizenship initiative.

Governance

Various conditions must be met to uphold and continuously improve a forward-looking, social and sustainable corporate governance. In addition to effective risk management, a willingness to accept responsibility, and compliance with laws, standards and voluntary codes of practice as a fundamental principle, these include transparent ESG reporting and the integration of ESG compliance rules into our corporate strategy. We are working hard as a team on the last two topics – to create a growing sustainable ESG organization which takes social and ecological aspects into account at every step.