

Introduction

With SoliFelt we offer a range of latex bonded flexibel felt products which can be used for gaskets and veneering modules. SoliFelt ULS-grade is our low bio persistence (LBP) based felt and has a classification temperature of 2200°F. SoliFelt ULS is uniform, lightweight, low shot and flexible. Targeted to deliver the highest possible thermal insulation value and handling strength.

SoliFelt is typically used in applications where a flexible gasket made from SoliPaper can not be used and when thicker material is required. SoliFelt is strong, sturdy, but also flexible and resilient after thickness compression.

All products in the SoliFelt product range are manufactured from true Generation III, ultra clean and fine SoliWool fiber and organic binders. As a result the SoliFelt has a very smooth surface, close dimension tolerances, exceptionally low dust, high handling strength, better thermal insulating performance and offer greater resiliency after compression as a result of the superior fiber index.

All products in the SoliWool ULS fiber product range, like the SoliFelt ULS, meet the requirements specified under NOTE Q of European Regulation 1272/2008. All SoliFelt ULS products are therefore exonerated from labelling requirements in Europe.

Next to the SoliFelt ULS we also offer the SoliFelt in various Refractory Ceramic Fiber (RCF) grades.

Type

Flexible Felt from Low Bio Persistence Fiber (LBP) and organic binders.

Temperature range

SoliFelt ULS-grade has a classification temperature of 2200°F.

The maximum continuous use temperature provided on the datasheet is a guideline and only applicable in a clean oxidizing atmosphere.

Typical applications

- Gasket for expansion joints between pre-casted shapes and IFB linings
- Gasket for ladles and ingots in steel industry
- Veneering modules production
- General technical insulation of furnaces and technical installations

Benefits

- High fibre index
- Low shot technology
- Excellent insulation performance
- High handling strength
- Close dimensional tolerance
- Smooth surface and low dust
- Easy die-cutting for high temperature gaskets
- Excellent thermal stability
- Exonerated from carcinogenic classification



Properties measured	Standard	Unit	SoliFelt ULS-grade
Grade			LBP
Colour			off-white
Classification temperature		°F	2200
Continuous use temperature		°F	2000
Density		PCF	10
Loss on ignition		wgt%	< 8
Permanent linear shrinkage 24h @ 2200°F	EN 1094-7	%	< 1,5
Thermal conductivity	ASTM C201	BTU-in/hr-ft ² -°F	
@ 500°F			0.45
@ 1000°F			0.78
@ 1500°F			1.43
@ 1800°F			2.03
@ 2000°F			2.12
Chemical composition (after firing)	ISO12677	%	
SiO ₂			63-66
CaO			26-33
MgO			3-7
Other			< 0,8

Contact

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This information is composed for marketing purposes and is accurate to the best knowledge of Vulcor Insulation BV. All values give are typical values, not guaranteed unless explicitly expressed.

As Vulcor Insulation BV and its selected 3rd party partners strive to continually improve our products as means of continues development, properties may be subject to change without notice. Vulcor Insulation BV accepts no legal responsibility for use or reliance upon this data. For information regarding specific applications of the product please contact Vulcor Insulation BV.

The productlabel 'Soli', the company name 'Vulcor' and the 'ULS' technology are registered.

Availability

SoliFelt is standard supplied in sheets of 47 1/4x23 5/8 inch and packed in carton boxes of approximately 5 inch high. The boxes are stacked to a total height of approximately 78.74 inch. Please refer to the list below for available sizes and packaging.

SoliFelt 47 1/4x23 5/8 inch		
Thickness (mm)	Per carton box	Boards per pallet
6	20	280
13	10	140
25	5	70

Product range

SoliFelt is part of an extensive product range supplied by Vulcor Insulation. Vulcor Insulation is supplying insulation solutions for high temperature applications. All products offered by Vulcor are manufactured in house or sourced from exclusive trusted partners.

Technical support

Vulcor Insulation provides specifiers and customers with guidance on all aspects of the materials selection for their application, the installation and compliance with relevant regulations and performance standards.

For additional information about product performance or to identify the recommended product for your application, please contact the team at Vulcor Insulation.