BASALTEX™
The thread of stone

ISO 9001 **A Division of FLOCART nv**

Technical Data Sheet
Fabric Type BAS QUADRI 1000

Multiaxial fabric for composite applications, is entirely made of 100% BCF (basalt continuous filament) roving.
The silane sizing is selected, which has components to ensure elasticity of the yarn during textile processes. The sizing allows good compatibility with epoxy, vinyl ester and polyester resin systems.

Property	Standard/Method	Unit	Value	Tolerance
Base material				
Density of unsized filament matl		**kg/dm³**	**2.67**	**± 5%**
Moisture content of basaltic rock		**%**	**0.1**	**± 0.05**
Melting point*		**°C**	**1350**	**± 100**
Fabric				
Specific surface weight	**ISO 3374:2000**	**g/m²**	**1013**	**± 8%**
Weave type			**quadriaxial**	
Weight per layer :				
- **0°**		**g/m²**	**236**	
- **+45°**		**g/m²**	**246**	
- **90°**		**g/m²**	**274**	
- **-45°**		**g/m²**	**246**	
- **stitching**		**g/m²**	**11**	
Width	**ISO 5025:1997**	**mm**	**1270**	**± 3%**
Thickness	**ISO 4603:1993**	**mm**	**1.00**	
Sizing type			**silane**	
Moisture content (fabric)	**ISO 3344:1997**	**%**	**<0.3**	
LOI, also sizing content	**ISO 1887:1995***	**%**	**0.4 – 0.6**	
Combustibility	**NF P92-503:1995**	**M0**	**Pass**	
UV stability	**ISO 105-B02**		**6**	
Colour fastness	**ISO 1005-BX12**		**6**	

* after drying according ISO 3344:1997

Packaging
Fabric length is approximately 50 lm per roll. Other length on request. Identification label. Standard packing.

Product Stability:
BASALTEX™ Products have not been designed for full external exposure conditions and cannot be guaranteed for use in such situations. However, these BASALTEX™ products have considerable tolerance to damp conditions and occasional water immersion. After drying out, the product will give the same level of performance as the original sample.

Stability over time:
Said products not being subjected to excessive heat, wear and abrasion, all evidence obtained to date indicates that their performance should not significantly change over a significant period of time.
It is the responsibility of the developer of the end-product, finished device or system to test its performance in the end-application.