

## Technical Data Sheet

### **Fabric Type 7101.75.1700**

**(patent granted)**

Woven fabric with high thermal and chemical resistances, made of 100% BCF (basalt continuous filament) fibers with PUR-based coating. This coating is designed to improve the fabric's stability, the seam strength in case of sewing, the mechanical and handling properties while maintaining the good fire performance. A flexible continuous sheet as component in non-woven laminates, as reinforcement of composites, as interlayer in compositions for fire & heat protection, in construction elements and equipment. Standard coating on one side of the fabric. Two sided coating available on request.

Property	Standard/Method	Unit	Value	Tolerance
<b>Base material</b>				
Density of unsized filament matl		kg/dm <sup>3</sup>	2.70	+ 5%
Moisture content of basaltic rock		%	0.1	+ 0.05
Melting point		°C	1350	+ 100
<b>Fabric</b>				
Weave type*			Twill 1/3	
Yarn density:				
- warp		ends/cm	7.4(660)	
- weft		ends/cm	7.6(330)	
Sizing type			silane	
Continuous max temperature		°C	350°C with stress 550°C w/o stress 1200°C fire blocking	
Breaking load:*	ISO 4606:1995 – Type II			
- warp		N/25mm	>4040	
- weft		N/25mm	>2070	
<b>Coated fabric</b>				
Width*	ISO 5025:1997	mm	1700	+ 5%
Thickness*	ISO 4603:1993	mm	0.78	+ 10%
Specific surface weight*	ISO 3374:2000	g/m <sup>2</sup>	780	+ 10%
Resistance to crib 7 source	BS 6807:1996 - §2		Pass	
Res. to smouldering cigarette	BS EN 597-1:1995		Pass	
Reaction to fire	FD P 92-507:1997		Pass	
Resistance to match flame	BS EN 597-2:1995		Pass	
Combustibility	NF P92-503:1995	M1	Pass	
Abrasion resistance	ISO 12947-2:1998	# cycles	20.000 (coated side)	+ 10%
UV stability	ISO 105-B02		6	

\*properties are given on the "Quality Report" coming with each product delivery

#### Packaging

Fabric roll has support cardboard tube (ID 50mm). Fabric length is standard 50m per roll. Other length on request. Identification label. Wrapping of roll in PE-foil, taped sealed. Rolls are arranged on a pallet with secure strapping.

#### 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.