

Basalt 4770 is a woven fabric constructed of 100% twisted basalt yarns. This fabric is typically used as reinforcement for multilayered fabrics and composite materials.

Applications include: fire barriers, thermal & acoustic insulation materials, spark & weld protection materials, filtration materials, and composites for boat building, wind turbines, sporting goods and more.



Property	Unit	Value
Weight	g/m ²	735
Weave type		Twill 3/1
Yarn count	warp	119
	weft	78
Sizing		silane ≥0.4%wt
Continuous use temp range	°C	-250 to +650
Crystallization temp	°C	1250
Melting temp	°C	+1350
Mullen burst	kPa	6900+
Tensile strength	warp	2943
	weft	2943
Roll width	cm	157 & 172
Roll length	m	100
Roll weight	kg.	120 & 134
Core size	mm	76
Combustibility		Non-combustible
Thermal conductivity	W/(m-K)	0.031 – 0.038
Color fastness		6
UV stability		6

Packaging: Fabric rolls are individually wrapped in clear polybags. Rolls packed on pallets for transport. Roll edges are stitched for reinforcement.

Storage: Product should be stored indoors in protective wrapping. Rolls should be stacked parallel to each other.

Warranty, Limited Remedy, and Limitation of Liability: Many factors that are uniquely within user's knowledge and control can affect the use and performance of Basalt 4770 in a particular applications. The user is solely responsible for evaluating the product and determining whether it is fit for a particular purpose and suitable for the user's process and application. Unless an additional warranty is specifically stated in a written agreement between Albarrie and the user, Albarrie warrants only that each Albarrie product meets the applicable product specification at the time Albarrie ships the product. ALBARRIE MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the Albarrie product does not conform to this warranty, the exclusive remedy is, at Albarrie's option, the replacement of the Albarrie product or refund of the purchase price. Except where prohibited by law, Albarrie will not be liable for any loss or damage arising from the performance, use or inability to use Albarrie products, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.