

## Fabric from Basalt Fiber QBZ – 475R

Technical parameters		
type 2)	Fabric from Basalt fiber	
	QBZ-475R	Standard/Method
nominal weight [g/m <sup>2</sup> ] <sup>1)</sup>	475 ± 5%	ISO 3374:2000
nominal thickness [mm] <sup>1)</sup>	0,58 ± 5%	ISO 4603:1993
warp/weft density	4,5/3,5	ISO 4602:1997
kind of inteweaving <sup>3)</sup>	L	
Warp (roving) tex	600± 5%	
weft (roving) tex	600± 5%	
tensile strenght N/50mm	warp	4600±5%
	weft	4300±5%
nominal width [mm]	-	ISO 5025:1997

Physical parameters	
shape	fabric
physiologic characteristics	with pleasant sensation
toxic characteristics	safe
temperature stability	-260°C ÷ +700°C
fire resistance	do not burn according to DIN 4102
stability toward vibration	vibration resistant

Other typical characteristics of production	
data about ecology	ecologically harmless
preventive measure	do not need any technical and individual measures
winding	on plastic pipe with diameter of 70÷150 mm
storage	dry, protected from moisture

Chemical parameters	
colour	grey, greenish
smell	odorless
sizing	Silan
material content	SiO <sub>2</sub> 48÷52; Al <sub>2</sub> O <sub>3</sub> 14÷18; Fe <sub>2</sub> O <sub>3</sub> 7÷11; CaO 8÷11 MgO 3,5÷8,5; Na <sub>2</sub> O_K <sub>2</sub> O 2,5÷6,0; TiO <sub>2</sub> 0,2÷2; MnO≥0,2; SO <sub>3</sub> >0,2
mass loss in moisture	Type of fabric L no more than 0,3%

Finished production is rolled as rolls; piles are put on the pallets and transported by covered transportation facilities or container.

**NOTES:** According to the consumers' demand the length of the roll can be regulated from 100 to 300meter and the width of the roll can be made from 1000mm to 2000mm.

- 1) Scheduled figures  
2) R - Fabric from Roving  
3) L - Linen

tested sample: 1m<sup>2</sup>  
date of test



ISO 9001:2000  
Certificate Number: 184266