

TECHNICAL SHEET

VETRO-FORCE fire resistant

Rev. 04 of 17/02/2026



Product code	Composition	Nominal thickness
VGuardian B-s1-d0	MAT + WOVEN ROVING	1,7 ± 0,3 mm

Mechanical Properties

	Testing Method	Unit of measure	Technical data
Glass content		%	26 ± 3
Barcol hardness	ASTM D 2583	°Barcol	55
Tensile strenght	ISO 527-4	MPa	110
Tensile modulus	ISO 527-4	GPa	9,5
Elongation at break	ISO 527-4	%	1,5
Weight		Kg/m ²	3,1
Density		g/cm ³	1,9
Thermal expansion		10 ⁻⁵ /°K	2,4 – 2,8
Fire reaction classification	EN 13823:2020 + A1:2022		B-s1-d0

The results of mechanical tests on composite materials typically exhibit some scatter; for this reason, the data here indicated have to be considered only as a guide.

VETRORESINA SPA

Via Portuense, 10
44020 Masi San Giacomo, Ferrara - Italia
Tel. +39 0532 327911 - Fax. +39 0532 327110
Email: info@vetroresina.com
www.vetroresina.com

TECHNICAL SERVICE

servizioclienti@vetroresinaspa.it
T: +39 0532 327911