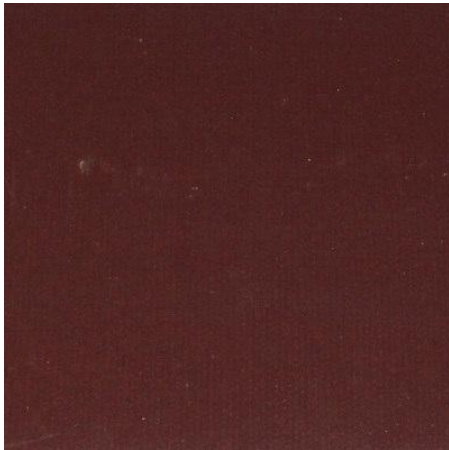


## Vetronit FR-5 HF CTI 600M

### TECHNICAL DATA SHEET

Rev.03 of 01/09/2018



**Description:**

Laminate board made of Glass fiber and a self-extinguishing resin, halogen-free and with high mechanical and dielectric performances.

**Technical Specifications:**

Properties:		Value	Test norm
Size	mm	2070x1070	
Thickness	mm	1-50	
Specific weight	g/cm <sup>3</sup>	1,99	ISO 1183
Water absorption (24h 23°C)	mg / %	10/ 0,05	ISO 62
Flexural strength $\perp$ strat . at 23°C at 150°C 1 h	Mpa	450 300	ISO 178
Compressive strength flatwise	Mpa	550	ISO 178
Tensile strength	Mpa	330	ISO 527
Modulus of elasticity	Mpa	24000	ISO 178
Edgewise notched impact strength Charpy	kJ/m <sup>2</sup>	60	ISO 179
Dielectric strength, flatwise,90°C in oil	kV/mm	15	IEC 60243-1
Breakdown voltage, // , 90°C in oli	kV	75	IEC 60243-1
Relative permittivity at 1 MHz		5.5	IEC 60250
Dissipation factor at 1 MHz		0.02	IEC 60250
Comparative tracking index (CTI)	V	600M	IEC60112
Temperature index	°C	180	IEC 60216
Flammability		V0>3 mm	UL94
Flammability classification		F1	NF F16 101
Low smoke emission and toxicity in case of fire	EN 45545-2:2013 R22/R23 FAR 25.853 UNI CEI 11170-+3		
Specifications:	IEC/DIN EN 60893	EP GC 204/311	
	DIN 7735	HGW 2372.2 (*)	
	BS 3953	EP – 6	
	NEMA LI – 1	FR 5	

(\*) no longer valid since March 2003