

**Certified laboratory test results according to the CCMC Technical Guide on the hemp fiber thermal insulation batt
PROFIB MAT INSULATION**

Test		Requirement	result	Pass/fail	Date and Lab
ASTM C167	Standard test method for thickness and density of blanket or batt thermal insulations	Relaxation @50% RH Relaxation @90% RH	100% design after 24 hours 100% design after 48 hours	PASS PASS	March 2023 QAI
ASTM C303	Standard test method for dimensions and density of performed block and board, type thermal insulation	Dimension Tolerances - 1,3% of stated value Density average+- 5% of Declared value	All between Tolerances All within Tolerances	PASS PASS	March 2023 QAI
ASTM C518	Standard test method for steady-state thermal transmission properties by means of the heat flow meter apparatus	All Samples within 10% of declared R-value	R-Value 3,7/inch	PASS	Feb 1 st 2023 and March 27, 2023 UL
ASTM C1338	Standard test method for determining fungi resistance of insulation materials and facings		No fungi	PASS	August 27, 2020 Intertek
CAN/ULC S703 6.3.11	Standard test method for determine the separation of chemicals of the insulation.	≤ 1,5% by weight	0.01%	PASS	March 2023 QAI
ASTM E96	Standard test method for water vapor transmission of materials		Perms 9.58	PASS	Jan. 9 th 2023 UL
CAN/ULC-S102	Standard test method for surface burning characteristics of building materials and assemblies	Flame Spread < 500 FSR Smoked developed Ind. < 450	255 (Rounded) 30	PASS PASS	March 2023 QAI
CAN/ULC-S774	Standard test method for the determination of volatile organic compound emissions		No toxic VOCs	PASS	August 23, 2023 Intertek
CAN/ULC-S703 6.3.2	Standard test method for corrosiveness: Aluminum, Copper, Steel	No perforation	No perforation	PASS	March 2023 QAI
ASTM S703 6.3.8	Standard test method moisture vapor sorption	≤ 15% by weight	12%	PASS	March 2023 QAI
ASTM S703 6.3.12	Standard test method for smoulder resistance	≤ 15% by weight, no flaming combustion	0,5% average, no flaming	PASS	March 2023 QAI