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CLIENT:

GENYK

1701, 3E Avenue Grand Mere, QC G9T 2W6

Test Report: T1296-1Rev1

Revised Issue Date: September 12, 2019

SUBJECT:

Testing of Genyk Boreal Nature Elite medium density Spray Applied Plastic Foam

(SPF) Insulation to CAN/ULC S705.1 and as per CCMC Evaluation Directive 07 21

19.02.

SAMPLE ID:

Genyk Boreal Nature Elite spray applied polyurethane foam of nominal density of 2.05

pcf.

SAMPLING DETAIL:

Formulation of witnessed samples were confirmed to be of documented product formulation, signed and dated by QAI Representative Gabriel LeBlanc on September 5, 2018. The product formulation and components were confirmed representative of documented formulation in accordance with Sections 5.1 and 5.2 of CAN/ULC S705.1-15 The witnessed batches were used for spraying of test samples noted

below.

All samples tested in the following test report were composed of one product lot, sprayed under witness by QAI, complying with Section 5.1 and 5.2 of CAN/ULC

S705.1-15.

TESTING PERIOD:

September 2018 to July 2019.

AUTHORIZATION:

Proposal 18NT081001-01 was accepted, authorized and signed for by Yves Rondeau

dated August 15, 2018.

TEST PROCEDURES:

1) CAN/ULC S705.1-15, "Standard for Thermal Insulation – Spray Applied Rigid

Polyurethane Foam, Medium Density – Material Specification".

Products outlined in this report were tested for CCMC evaluation purposes.

CONCLUSIONS:

Genyk Boreal Nature Elite medium density Spray Applied Foam Plastic (SPF)

Insulation evaluated by QAI had the following results:

All tested specimens meet all aspects of the standard when tested per CCMC

Evaluation Directive 07 21 19.02 related to Section 2, Testing.

Detailed results can be found on subsequent pages of this report.

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RESULTS SUMMARY:

Property	Unit	Requirement		Result/Comment	Pass/Fail
		Min	Max	Result Comment	Pass/Fall
Air Permeance	L/(s·m²)		0.0200	0.0010	Pass
Core Density	kg/m³	28.0		32.0	Pass
Compressive Strength	kPa	170		228	Pass
Dimensional Stability					
-20°C	%		-2/+5	-1	Pass
80°C	%		-2/+8	+2	Pass
70°C & 97±3%RH	%		-2/+14	+13	Pass
Fungi Resistance		No Growth		No Growth	Pass
Long Term Thermal					
Resistance					
at 25mm thickness	m²·K/W	Declare		0.93	n/a
at 50mm thickness	m²·K/W	1.80		1.96	Pass
at 75mm thickness	m²·K/W	Declare		2.93	n/a
at 100mm thickness	m²·K/W	Declare		4.12	n/a
Open-Cell Content	%		10.0	2.8	Pass
Surface Burning			500	285	Pass
(Flame Spread)	(1998)	Married M	000		
Tensile Strength	kPa	200		205	Pass
Time to Occupancy	d – days		30	1	Pass
Water Absorption	%) 	4.0	1.6%	Pass
Water Vapour Permeance	ng/(Pa·s·m²)		60	34	Pass

Prepared By

Robert Giona Senior Technologist Signed for and on behalf of QAI Laboratories Ltd.

Matt Lansdowne Business Manager