QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

VANCOUVER, BC: 877.461.8378 ph. | 604.527.8368 fx.
LOS ANGELES, CA: 909.483.0250 ph. | 909.483.0336 fx.
WASHINGTON, DC: 540.636.9445 ph. | 540.636.9414 fx.
TULSA, OK: 918.437.8333 ph. | 918.437.8487 fx.
TORONTO, ON 905.605.5444
WEBSITE: WWW.QAI.ORG

BUILDING PRODUCTS LISTING PROGRAM

Customer: In-Green Systems Corporation
Class: Insulated Structural Panels
Website: www.ingreensystems.com

Locations: Calgary, Alberta Canada

Listing No. B1114-1
Project No. B1114-1 Edition 1

Effective Date: March 31, 2019
Last Revised Date: March 31, 2019
Expires: N/A

Standards:

CAN/ULC-S701	Standard for Thermal Insulation, Polystyrene, Boards and Pipe Covering.
CAN/ULC-S102.2	Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies.

Product: Structural Insulated Panel (SIP) Products,

Markings: Each panel is marked with a permanent label containing the following information:

a) Manufacturers name or recognized trademark
b) Product name
c) Date of manufacture
d) QAI file number: B1114
e) CAN/ULC-102.2 Flame Spread Index and Smoke Developed Index
f) CAN/ULC S701 Type 1
g) QAI logo shown here:

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Models / Ratings: **The following outlines In-Green Systems Corporation Structural Insulated Panel (SIP) ratings.**

In-Green Systems SIP Expanded Polystyrene foam core performance per CAN/ULC-S701.

PROPERTY	Expanded Polystyrene Insulation Type 1
Thermal Resistance Minimum at 25 mm Thickness (m^2*°C/W)	0.65
Water Vapour Permeance Maximum at 25 mm Thickness (Ng/Pa*s*m^2)	300
Dimensional Stability Maximum Linear Change (%)	1.5
Flexural Strength Minimum (kPa)	170
Water Absorption By Volume Maximum (%)	6.0
Compressive Strength Minimum at 10% Deformation (kPa)	70
Limiting Oxygen Index Minimum (%)	24

In-Green Systems SIP Expanded Polystyrene foam core performance per CAN/ULC S102.2.

EXPANDED POLYSTYRENE (EPS) INSULATION	DENSITY	MAXIMUM THICKNESS	FLAME SPREAD INDEX (FSI)	SMOKE DEVELOPED INDEX (SDI)
Type 1	Maximum 17.5 kg/m^3	100 mm Maximum	≤ 290	≥ 500

Notes: Products must be installed with the manufacturer's published installation instructions and in accordance with the building codes recognized by the authority having jurisdiction.

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