

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





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

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 <sup>2*o</sup> C/W)	0.65
Water Vapour Permeance Maximum at 25 mm Thickness (Ng/Pa*s*m²)	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 <sup>3</sup>	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.

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warrantee is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at <a href="www.qai.org">www.qai.org</a> for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to <a href="mailto:info@qai.org">info@qai.org</a>. Please include the listing number in the request.

\*\*: