



SPECIFICATION SUMMARY REPORT

SPECIFICATION: BuildBlock Building Systems - BuildBlock ICFs CAN/ULC S717.1

CREATED DATE: Dec 14 2020 4:06PM
LAST REVISED DATE: Dec 17 2020 4:55PM

COMPANY

BuildBlock Building Systems, LLC
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LAST CHANGED BY: Michael.beaton@intertek.com
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LISTING

Name: BuildBlock Building Systems - BuildBlock ICFs CAN/ULC S717.1

Type: System Specification

Summary:

The BuildBlock® and BuildLock® ICFs consist of two expanded polystyrene (EPS) foam panels, complying with CAN/ULC S701.1, Type 2, separated by injection-molded polypropylene cross-ties which are partially embedded into the EPS panels. BuildLock® ICFs are knock-down versions of BuildBlock® ICFs. BuildLock® ICFs are shipped as components and are assembled on a jobsite.

The polypropylene cross-ties maintain the EPS facings at a fixed clear distance of 4 inches, 6 inches, 8 inches, 10 inches or 12 inches to create overall form widths of 9 inches, 11 inches, 13 inches, 15 inches or 17 inches. The form units have a preformed interlocking mechanism along the top and bottom edges, to facilitate interlocking and stacking. BuildBlock® ICFs are available in standard, 45-degree angle corners, 90-degree angle corners and ledge forms. The ledge forms are used to construct corbels that serve as ledgers to support exterior brick veneers and interior floor systems. BuildLock® ICFs are available in standard and 90-degree angle forms.

BuildRadius is an insulating concrete form system consisting of two 2.5 in. thick (nominal density of 1.5 pcf) expanded polystyrene panels separated by injection-molded polypropylene cross-ties. BuildRadius is available in 2, 4, 8, 12, 16, and 20 foot arc forms.

This Listing Report is limited to BuildBlock Building Systems, LLC's manufacturing facility located in Post Falls, ID.

Attributes:

Criteria	CAN / ULC S101 (2014)
Criteria	CAN/ULC-S717.1 (2017)
Criteria	CAN / ULC S701.1 (2017)
CSI Code	03 11 19 Insulating Concrete Forming
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	CONCRETE FORMS
Report Number	G104080996
Spec ID	55555
Verification Test Type	C-518 Chamber
Verification Testing	YES
Verification Testing Lab	MID - Middleton, WI

Design Documents and Code Compliance Research Reports:

BBS-ICF 180-01

DESCRIPTIONS

MANUFACTURING INFORMATION

Summary:

Reference the FAM (Post Falls, ID) located in the SubAssemblies Section of this specification.

Material	Testing Frequency	Test Procedure	Specification/Tolerance	Ship-To Lab
Panel	3 times/year	Thermal resistance (ASTM C518)	Per Verification Test	Intertek Middleton, WI

One panel of the BuildBlock form shall be collected and sent to the Middleton, WI lab. The panel will be cut to a one-inch thickness for testing. Results of the verification testing will be reviewed after the first year and the frequency may be reduced with demonstration of consistent results.

Documents:

No manufacturing documents.

MACHINING INFORMATION

Summary:

This section has been left blank intentionally.

Documents:

No machining documents.

TESTING INFORMATION

Summary:

CONCLUSION OF TEST RESULTS

A representative sample of the product was tested and/or evaluated in accordance with the data outlined below. Data in this Spec is based on, and builds on, testing conducted in BuildBlock's Spec 32872 on the same product.

Test Description	Report No.	Standard/Clause
Physical properties	3074552-04 03-22-2006	ASTM D2842-01; ASTM D1621-00
Review of data	104080996MID-001 EEV	Evaluation and test plan
Flame spread characteristics	104218418COQ-001 02-20-2020	CAN/ULC S102.2

Project summary	104080996MID-002 02-27-2020	NA
BuildBlock Product Specifications	Revised 2018	NA
Project summary	104507818MID-001 Dec 14, 2020	CAN/ULC S101

Documents:

- 2006-03-22 3074552-04 CCMC 03131 testing
- 2019-09-25 104080996MID-001 EEV
- 2020-02-20 104080996MID-002 Project Summary
- 2020-02-20 104218418COQ-001 S102.2
- 2020-12-14 BuildBlock 104507818MID-001 Project summary letter
- BuildBlock Product Specifications

QUALITY CONTROL INFORMATION

Summary:

Refer to the FAM in the subassembly section for FMI-EPS in Post Falls, ID.

Documents:

No quality control documents.

CERT/EVAL

Intertek Specification:	Yes
Evaluation Center:	Intertek (Middleton)
Reported By:	Michael Beaton
Reviewed By:	
Intertek Program:	B&C Product Certification (ETL)
Public View of Listing:	Yes
Fire Door & Frame Label:	
Cert Manager:	(JPK) Global B&C Certification
Cert Mark:	Intertek ETL C
Cert Mark:	

SUBASSEMBLIES

Name	Type	Subtype
Listing Report General Information	Required	Component Specification
Verification Center	Required	Component Specification
BuildBlock FAMs	Required	Component Specification
ETL Mark Minimum Labeling Requirements (new Intertek Mark)	Required	Component Specification

PUBLIC DOCUMENTS

No public documents.