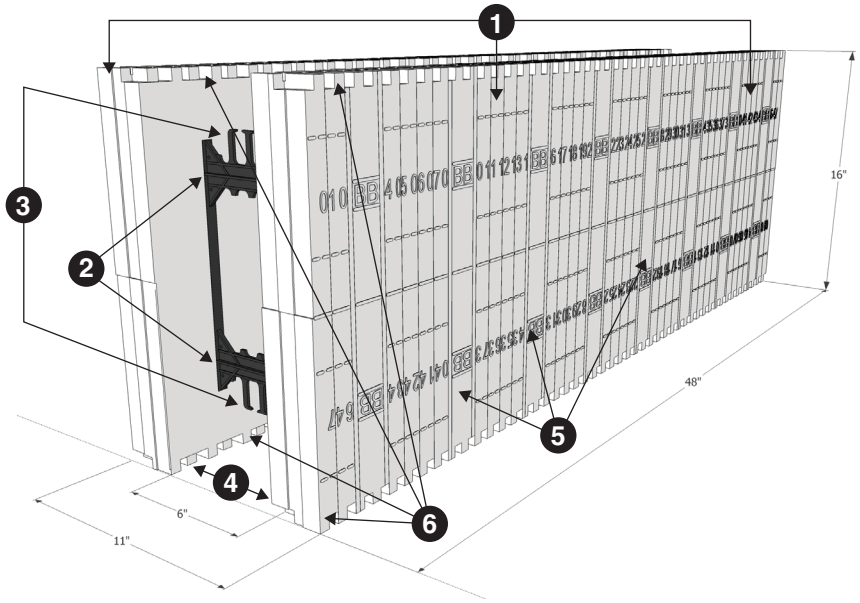


1. Expanded Polystyrene Foam Panels
2. Patented Polypropylene Webs/Cross Ties
3. Reinforcing Steel Lock-down Fingers
4. Concrete Core
5. Furing Strip Identification Marks
6. Reversible Top and Bottom Interlocks
7. Expanded Polystyrene Foam Buck Panel
8. Patented Polystyrene Webs with Integrated Concrete Anchors
9. Buck Core Alignment Guide
10. Buck Furing Strip Identification Marks

MANUFACTURING LOCATION
Lifoam 2601 Anvil St. North
St. Petersburg, FL 33710

MANUFACTURED WITH:
BASF Styropor type BF, BFL, F, KF, MF
Flint Hills Resources, LP grades 54, 40

NOTES:

This approval pertains to the insulation properties of BuildBlock Insulating Concrete Forms Only. This approval does not imply approval of the concrete used within the form system or the structural and/or forming capacity of the material and the system, including BuildBuck.

IMPORTANT: PROTECT PRODUCT FROM UV EXPOSURE BY ENSURING ANY EXTERIOR EXPOSED SURFACE IS EITHER FINAL FINISHED OR CLADDED WITH TEMPORARY UV PROTECTION WITHIN 30 DAYS OF INSTALLATION.

FOOTNOTES:

1. Results for ICF panels produced with Epsilyte Grade 54 and 40 beads (see ESR-1634)
2. Standards included in the ASTM E2634 specification are indicated with a "2." Referenced test methods are latest version in effect upon the date of the specification.
3. Standards included in the ASTM C578 specification are indicated with a "3." Reference test methods are latest version in effect upon the date of the specification.

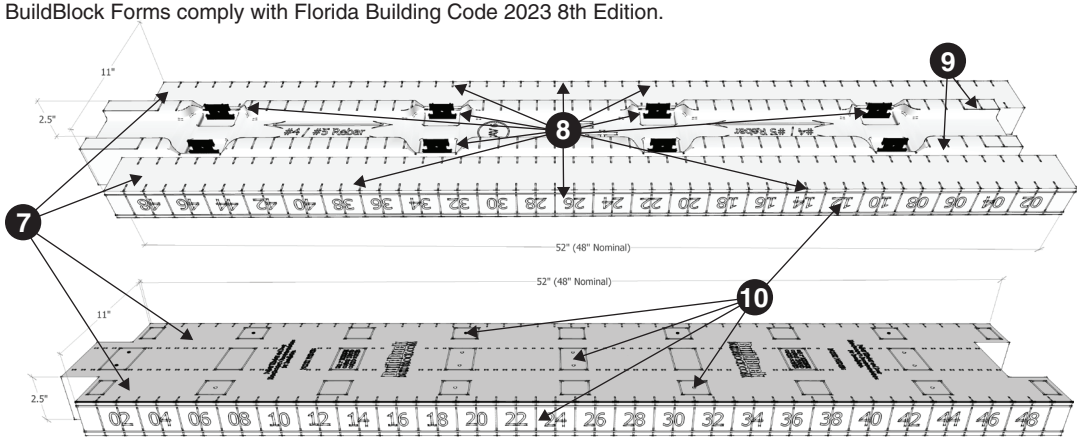
BUILDBLOCK INSULATING CONCRETE FORM SYSTEM DESCRIPTION

BuildBlock Building Systems, Insulating Concrete Forms (ICF) are stay in place forms resulting in a monolithic reinforced flat concrete wall 4", 6", 8", 10", or 12" thick, built to the industry standard size of 16" high by 48" long. The forms are manufactured using expanded polystyrene (EPS) Type II, with a density of 1.5 pcf. The two 2.5" foam panels are connected using engineered webs made from high density Polypropylene plastic web cross ties.

BuildBlock Insulating Concrete Forms are made from EPS beads compliant to ASTM E-84, with a flame spread index of 25 or less and a smoke developed index of less than 450.

BuildBuck is a wall opening block-out or buck system designed to integreate into wall systems constructed of BuildBlock ICF blocks or any approved ICF system of the same dimensions.

BuildBlock Forms comply with Florida Building Code 2023 8th Edition.



Material Property	Standard	Result	Status
Product Specification	ASTM E2634-11 (2018) Per FBC 1903.4	See Note 2 Below	Pass
EPS Insulation	ASTM C578-18	See Note 3 Below	Pass
Compressive Resistance	ASTM D1621[3]	> 15 psi	Pass
Thermal Resistance	ASTM C518[3]	4.0 °F-ft2-h/Btu-in	Pass
Flexural Strength	ASTM C203[3]	> 35 psi	Pass
Water Vapor Permeance	ASTM E96-16[3]	< 3.5 perms	Pass
Water Absorption	ASTM C272[3]	< 3%	Pass
Dimensional Stability	ASTM D2126[3]	< 2%	Pass
Oxygen Index	STM D2863[3]	> 24%	Pass
Density	ASTM D1622[3]	> 1.35 pcf	Pass
Flame Spread Characteristics	ASTM E84-18b[2,3]	FS < 25 SDI < 450	Pass
Cross Ties - Rate Of Burning	ASTM D635[2]	CC-1	Pass
Cross Ties- Self-Ignition Temperature	ASTM D19292	> 662F	Pass
Cross Ties - Tensile Strength	ASTM D638[2]	>675 lbs/ft2	Pass
Cross Ties - Shear Strength	ASTM D732[2]	Meets requirements	Pass
Fastener Capacity - Lateral/ Withdrawal Resistance	ASTM D176[2]	As stated in CCRR - 1003	Pass
Room Corner Fire Test	NFPA 286[2]	Meets requirements	Pass

OFFICE USE ONLY

VALIDATION STAMP
REG. FLORIDA ENG.

ROBERT F. OLECK
LICENSE
No. 52514
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REG. FLORIDA ENG.

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Title	BuildBlock Building Systems – Insulating Concrete Form System		
Drawing No.	Miami-Dade County Approval Summary Document		
Revision Date	3/15/2024	Revision No.	007
Drawn By:	JW/MK/RD		
Date	3/15/2024	Sheet No.	1 of 1