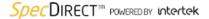




# Quad-Lock Insulating Concrete Forms (ICFs) SPEC ID: 35720

Airfoam Industries Ltd. dba Quad-Lock Building Systems 19402 - 56 Ave Surrey, BC V3S 6K4 Canada

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## LISTING INFORMATION

Quad-Lock ICFs are insulated concrete form (ICF) systems that are formed from expandable polystyrene (EPS) beads with polyethylene cross-ties and/or ABS fastening strips. The EPS panels are available in the following thicknesses:

- 2-1/4" Regular
- 3-1/8" Ultra
- 4-1/4" Plus

The ICF systems core nominal thicknesses are available in the following dimensions:

- 3-3/4"
- 5-3/4"
- 7-3/4"
- 9-3/4"
- 11-3/4"
- 13-3/4"

#### **RATINGS**

Product/Assembly	Standard	Rating (if applicable)
Quad-Lock Insulating Concrete Form Systems	ASTM E119 (2-1/4 in. EPS)	2, 3, 4 hours Design Listing No. QBS/ICF 240-01
	CAN/ULC-S101	2, 3, 4 hours Design Listing No. QBS/ICF 240-01
	ASTM E2634, including:	
	ASTM C578 (EPS)	Type II, Type IX EPS
	ASTM D635 (cross-ties)	Meets CC2 requirement
	ASTM D1929 (cross-ties)	827.3 °F
	ASTM D1761 (cross-ties)	Meets the calculated requirements
	ASTM D638	Exceeded the requirement of 675 lb/ft <sup>2</sup>
	ASTM D732 (cross-ties)	Exceeded the requirement of 163
	ASTM D1929 (fastening strips)	psi
	ASTM D635 (fastening strips)	831.7 °F
	ASTM D1761 (fastening strips)	Meets CC2 requirement



		Meets calculated requirements
		Ceiling burning only: FSI: 10 SDI: 5 Floor burning only: FSI: 35 SDI: 1150
	ASTM C177 (2-1/4" EPS)	0.12 F.ft <sup>2</sup> .h/BTU
	·	Meets the conditions of acceptance of ASTM E2634

### **CODE COMPLIANCE RESEARCH REPORT**

EVALUATION METHOD	BUILDING CODE	CCRR NUMBER
IICC-ES AC353	2015, 2012, and 2009 IBC	CCRR-1060
	2015, 2012, and 2009 IRC	

#### FLORIDA PRODUCT APPROVAL

Product	Product Approval No.	
Quality-Lock Insulating Concrete	FL No. 10431	
Forms	FL NO. 10431	

Attribute	Value
Code Reports	Yes
Criteria	CAN / ULC S101 (2007)
Criteria	NFPA 286 (2011)
Criteria	ASTM E2634 (2011)
Criteria	ICC-ES AC353 (2012)
Criteria	ASTM C578 (2012a)
Criteria	ASTM E119 (2014)
Criteria	UL 723 (2010)
CSI Code	03 11 19 Insulating Concrete Forming
Intertek Services	Certification
Intertek Services	Code Compliance Research Report
Listed or	LISTED
Inspected	
Listing Section	CONCRETE FORMS
Report Number	G101554142; G101872319; G102089016; 484-2063; 3028544; 3105717; 6802; G101314808; 3105457; G103846252
Spec ID	35720
Verification Testing	No