

Summary of ICF Form Systems Fire Resistance Rating Test Results

Company	Listing Agency	Evaluation Report Numbers (USA only)	4"	6"	8"	10"	Listing Numbers	Specified Finish	Concrete Specs	Vertical Reinforcing Steel	Horizontal Reinforcing Steel	Specified/ Tested Loading	Insulation Stripped?
NUDURA	Underwriters Laboratories	ESR-2092	2 Hours	4 Hours	4 Hours	4 Hours	BXUVC.W012 BXUV.U930	Min. 1/2-inch-GWB	Silica based aggregate 2,900 psi/20 MPa 6-inch slump	Min. No. 4 @ 16"	Min. No. 4 @ 18"	6" – 40,000 plf	NO
Amvic	Intertek	ESR-1269	N/A	3 Hours	N/A	N/A	Report No. 3008301	Min. 1/2-inch GWB	Silica based aggregate 3,500psi/28 MPa 6-inch slump	Min. yield stress of 40 or 60 ksi	Min yield stress of 40 or 60 ksi	6" – 10,000 plf	YES
ARXX	Underwriters Laboratories	ESR-5119	2 Hours	2 or 4 Hours*	4 Hours	4 Hours	BXUVC.W008 BXUVC.W009 BXUV.U927 BXUV.U928	Min 1/2-inch-thick gypsum wall board installed vertically	Silica based aggregate 3,000 psi/28 MPa 6 inch slump *Polypro. fibers req'd. in mix for 6" core	Min. No. 5 @16"	Min. No. 5 @ 16 3/4"	6" – 30,000 plf	YES
Build Block	Intertek	ESR-1911	N/A	3 Hours	3 Hours	N/A	Report No. 3083037	1/2-inch-thick gypsum board Min. 1/2-inch GWB	Silica based aggregate 3,000 psi/20 MPa 6-inch slump	Min No. 5 @ 24"	Min No. 5 @ 32"	6" - 5,000 plf	YES
ECO-Block	Intertek	ESR-1182	2 Hours	4 Hours	4 Hours	4 Hours	Design No. ECO/WA 240-01	Min 1/2-inch-thick gypsum board	Carbon based aggregate, 3,500 psi/28 MPa 1 1/2 inch slump Super plasticizer req'd	Min. No. 5 @ 12"	Min No. 5 @ 16"	4" – 35,000 plf. 6" – 52,000 plf 8" – 70,000 plf	NO
Foxblocks*	Intertek	ESR-2270***	2 Hour	3 Hours	4 Hours	N/A	Report No. 3114608 3103050 3103050	Min 1/2-inch-thick gypsum board	3,000 psi, 8" slump(4" Core), 5" slump(6", 8" Core)	No. 5 @ 16"	No. 5 @ 16"	4"- 7,500plf 6", 8"- 10,000plf	YES
PolySteel	Omega Point Laboratories	NER-515	2 Hours	4 Hours	4 Hours	4 Hours		Min 1/2-inch-thick gypsum board	Silica based aggregate 3,000 psi/20 MPa 6-inch slump	Min yield stress of 40 or 60 ksi	Min yield stress of 40 or 60 ksi	3,000 to 10,000 plf	YES
Reward	Intertek	ESR-1552	2 Hours	3 Hours	4 Hours	4 Hours	BW 504 BW 505 BW 503 BW 502 BW 510	Min. 1/2-inch GWB	Silica based aggregate 3,000 psi/20 MPa 6-inch slump	4&6 inch core: No. 5 @ 24" 8&10 inch core" No. 5 @ 12"	4&6 inch core: No. 5 @ 24" 8&10 inch core: No. 5 @ 16"	4"- 2,250 plf 6"- 3,000 plf 8"- 5,000 plf 10"- 5,000 plf	NO
Quadlock**	Underwriters Laboratories	ER-5188****	2 Hours	3 Hours	4 Hours	4 Hours	BXUVC W019 BXUV.U934	Min. 1/2-inch GWB	Silica based aggregate 3,000 psi/20 MPa	4&6 inch core-	4 & 6 inch core-	6" - 30,000 plf	NO

*Note:For a 4 hour fire resistive rating, the concrete shall include 0.6lb of 1/2 inch long polypropylene fiber reinforcement per cubic yard of concrete

**Note: Not yet Non-Combustible Construction approved

***Note: Most Recent ICC-ES report states that FoxBlock is Type V or Type VI Construction

****Note: Most Recent ICC-ES report states that Quad-Lock is Combustible Construction

References were tabulated as of April 1, 2008 and all data was extracted from each companies respective website.