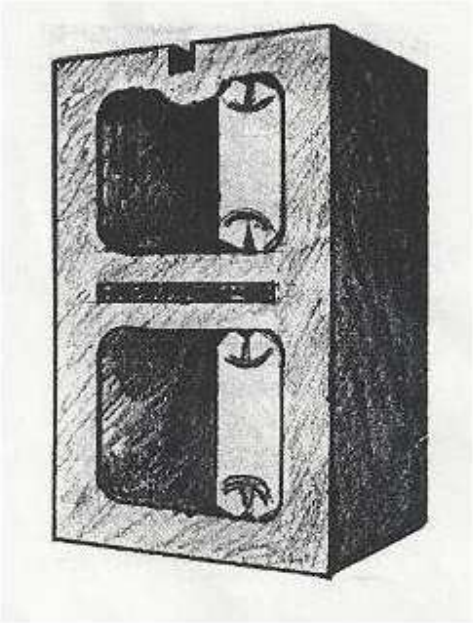


Fabricated Packaging Materials

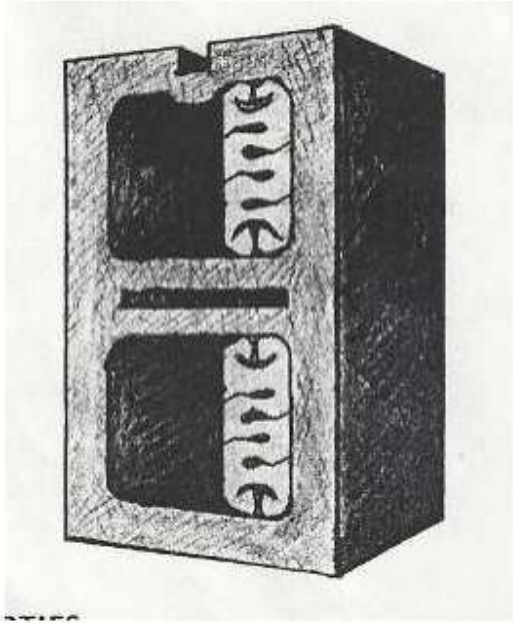
Fabri-Core – Concrete Block Insulation Inserts



Standard Series

Standard Series

Use of the Standard Series Insert results in slightly higher R-Values because the EPS has fewer cuts. The tapered shape allows for a snug fit that keeps the insert firmly in place.



Profile Series

Profile Series

The profile series insert is more flexible than the Standard Insert. This style allows for a tighter fit with inconsistent block dimensions. The Profile Series reduces any air penetration because of tight fit against the wall of the block.

Product Description

Fabri-Core inserts are manufactured from EPS (Expanded Polystyrene) rigid foam insulation. These inserts greatly increase the R-Value of block wall construction. The energy savings that result from using Fabri-Core Inserts more than offset their initial cost.

PHYSICAL PROPERTIES

Property	Units	ASTM	1 lb / cu ft. density	1.25 lb / cu ft. density
◆ All Properties Meet ASTM C 578 Industry Standards			1.0 lb. Nominal	1.25 lb. Nominal
◆ Thermal Resistance	R-Value Per Inch	C 177 or C 518		
	@ 75 F		3.92	4.10
	@ 40 F		4.17	4.25
◆ Dimensional Stability	Max % Deviation	D 2126	2.0%	2.0%
◆ Oxygen Index	Min. %	D 2863	24.0%	24.0%
◆ Water Vapor Transmission	Perm. / Inch	C 355	.8-2.8	.8-2.6
◆ Water Absorption	Max % by Vol.	C 272	.9-1.9	.8-1.8
◆ Coefficient of Thermal Expansion	in. / L.in.	D 696	.000035	.000035
◆ Flash Ignition Temp.	Degrees F	D1929	675	675
◆ Toxicity		Laboratory Reports	Approx. the same as wood, Paper or cardboard	Approx. the same as wood, Paper or cardboard
◆ Flame Spread Rating			<25	<25
◆ Fabri-Core Inserts comply with ASTM C 90-90 (Hollow load bearing masonry units), Mil Specification Mil-P-40619A, and Mil-P-19644C.				

<i>Insulation is R-Value for Block with and without inserts</i>	Block Density lb/ cu ft	80	85	90	95	100	105	110	115	120	125	130	135	140
Block Size														
6" Block														
No Insulation		R2.90	R2.70	R2.63	R2.56	R2.50	R2.44	R2.33	R2.30	R2.30	R2.13	R2.04	R1.92	R1.90
Profile Inserts		R6.45	R6.00	R5.70	R5.38	R5.00	R4.80	R4.40	R4.21	R4.00	R3.70	R3.50	R3.26	R3.00
Standard Inserts		R6.70	R6.67	R6.26	R6.20	R5.90	R5.88	R5.56	R5.26	R5.00	R4.76	R4.35	R4.30	R4.20
8" Block														
No Insulation		R3.10	R3.03	R2.94	R2.86	R2.90	R2.78	R2.7	R2.63	R2.60	R2.33	R2.22	R2.08	R2.00
Profile Inserts		R7.75	R7.45	R7.15	R6.55	R6.10	R5.83	R5.50	R5.16	R4.85	R4.55	R4.20	R4.00	R3.50
Standard Inserts		R7.75	R7.45	R7.15	R6.67	R6.30	R6.25	R5.88	R5.56	R5.30	R5.00	R4.55	R4.35	R4.20
10" Block														
No Insulation		R3.40	R3.45	R3.33	R3.23	R3.13	R3.03	R2.94	R2.86	R2.80	R2.63	R2.38	R2.22	R2.20
Profile Inserts		R8.55	R7.90	R7.45	R7.25	R7.31	R6.50	R6.10	R5.80	R5.40	R5.10	R4.80	R4.50	R4.10
Standard Inserts		R8.56	R7.90	R7.51	R7.31	R6.85	R6.60	R6.25	R5.88	R5.60	R5.26	R5.00	R4.76	R4.50
12" Block														
No Insulation		R3.70	R3.57	R3.45	R3.33	R3.23	R3.20	R3.13	R3.03	R3.00	R2.86	R2.56	R2.38	R2.30
Profile Inserts		R9.40	R9.00	R8.60	R8.10	R7.60	R7.30	R6.90	R6.50	R6.10	R5.80	R5.30	R5.10	R4.50
Standard Inserts		R9.41	R9.00	R8.70	R8.00	R7.60	R7.40	R6.90	R6.50	R6.30	R5.80	R5.50	R5.35	R5.25

U-Values are calculated by dividing 1 by the R-Value listed on the above table

Applicable Industry Standard Specifications

Fabri-Core Inserts conform to the most recent ASTM C578 Standards for Rigid Foam Insulation. Fabri-Core Inserts also comply with flammability requirements of ICBO (Section 1712), BOCA (Section 2002), and SPCCI (Section 717) codes. Fabri-Core also uses materials that conform to Underwriters Laboratories ASTM E84 (UL723), ref; UL, Inc. File No. R-7503, Guide BRYX-Foam Plastics NER Report 384. Refer to the tables for applicable R-Values (U-Values are the inverse of listed R-Values)

Environmental Considerations

Fabri-Core Inserts are manufactured from chemically inert Expanded Polystyrene Foam Insulation. No CFCs are used in their manufacture. Fabri-Core Inserts are 100% recyclable and can be returned to any EPS manufacturing or authorized recycling facility.