Insulfoam EPS Foam For Concrete Blockouts

Insulfoam EPS is the right alternative when it comes to concrete blockouts. EPS is truly an amazing product with unmatched versatility and performance. Take advantage of that versatility when using EPS as a concrete blockout in the production of concrete foundations, walls, bridges or road overpasses, and much more. No other alternative product provides the advantages and benefits of EPS at such a cost-competitive price

- Very lightweight, durable, and easy to handle
- Cost effective when compared to other alternatives
- Cuts easily to any shape, size, or thickness
- Does not emit chemicals or gasses into the concrete that can cause surface cracking
- Provides high, long-term thermal protection
- Dimensionally stable
- Environmentally friendly, with no ozone depleting HCFC's

Typical Physical Properties of InsulFoam*					
Property	**Type I**	**Type VIII**	**Type II**	**Type IX**	**Test Method**
Nominal Density (pcf)	1.0	1.25	1.5	2.0	ASTM C303
C-Value (Conductance) BTU/(hr•ft²•°F)					ASTM C518 or ASTM C177
@ 25° F	.23	.22	.21	.20	
(per inch) @ 40° F	.24	.235	.22	.21	
@ 75° F	.26	.255	.24	.23	
R-Value (Thermal Resistance) (hr•ft²•°F)/BTU					ASTM C518 or ASTM C177
@ 25° F	4.35	4.54	4.76	5.00	
(per inch) @ 40° F	4.17	4.25	4.55	4.76	
@ 75° F	3.85	3.92	4.17	4.35	
Compressive Strength (psi, 10% deformation)	10 - 14	13 - 18	15 - 21	25 - 33	ASTM D1621
Flexural Strength (psi)	25 - 30	32 - 38	40 - 50	55 - 75	ASTM C203
Dimensional Stability (maximum %)	< 2%	< 2%	< 2%	< 2%	ASTM D2126
Water Vapor Transmission (perms)	2.0 - 5.0	1.5 - 3.5	1.0 - 3.5	0.6 - 2.0	ASTM E96
Absorption (% vol.)	< 4.0	< 3.0	< 3.0	< 2.0	ASTM C272
Capillarity	none	none	none	none	–
Flame Spread	< 20	< 20	< 20	< 20	UL 723
Smoke Developed	150 - 300	150 - 300	150 - 300	150 - 300	UL 723
Typical Physical Properties of R-Tech*					
Compressive Strength (psi, 10% deformation)	13	16	20	28	ASTM D1621
Flexural Strength (psi)	33	40	50	70	ASTM C203
Water Vapor Transmission (perms)	< 1.0	< 1.0	< 1.0	< 1.0	ASTM E96
Absorption (% vol.)	< 1.0	< 1.0	< 1.0	< 1.0	ASTM C272

*Properties are based on data provided by resin manufacturers, independent test agencies and Insulfoam.