



# HAVE YOU! SEEN THE LITE?!

Why are you still specifying the pink and the blue? Wherever you use the pink and the blue, you can use ICA-LITE® too!

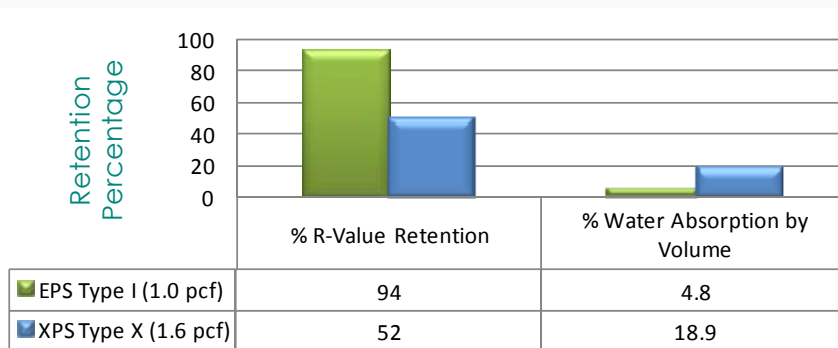
## Choose ICA-LITE® EPS because...

- **COST EFFICIENT** - EPS is approximately 40% lower in cost than XPS. Upfront cost savings and long-term savings in heating and cooling costs.
- **RECYCLABLE** - EPS is 100% recyclable. ICA is a recycling facility for its customers and consumers. Please see our website for recycling guidelines.
- **WE SPEAK LEED®** - ICA-LITE® EPS & ICA Geof foam can add LEED® points to construction projects.
- **ENVIRONMENTALLY SAFE** - EPS is composed of organic elements—carbon, hydrogen and oxygen—and does not contain chlorofluorocarbons (CFCs) or hydrochlorofluorocarbons (HCFCs).
- **AVAILABLE IN ANY SIZE** - Unlike XPS which is available in limited sizes only, EPS can be cut to any particular specifications to suit your needs.
- **LONGEVITY** - EPS outperforms XPS with longer lasting R-Values.\*

\* **This was clearly proven in a 15 year** independent, third-party test program. Expanded polystyrene (EPS) maintains its R-value even after long-term exposure in northern climates. A competing insulation material, extruded polystyrene (XPS), was shown to have lost R-value over time. The results of this test program demonstrate that EPS insulation is a perfect choice to reduce energy loss.

- Visit <http://insulationcorp.com/eps-verses-xps/> for full report.

### In-Situ R-Value Retention & Water Absorption



EPS Molders Association. EPS Below Grade Series 103, November 2008.

**ICA-LITE® EPS** saves money, is 100% recyclable, outperforms XPS, and has size flexibility. **ICA-LITE® EPS** is the only answer for your insulation needs! So why would you specify anything else?

For further information on ICA-LITE® EPS, please visit our website at [insulationcorp.com](http://insulationcorp.com) as well as [epsindustry.org](http://epsindustry.org).

*eps...*

Extraordinary Product Solutions

Insulation Corporation of America

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# ICA-LITE® EPS Specifications



ICA-LITE® brand expanded polystyrene insulation is a rigid closed cell, lightweight plastic foam manufactured by Insulation Corporation of America. It is designed for use in foundation, wall and roof insulation applications in new commercial or residential buildings. It is also used extensively in low temperature warehouses, food processing plants, agricultural buildings, and a variety of retrofit applications. ICA-LITE® EPS meets or exceeds the requirements of **ASTM C578**, *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation*.



			Density (pcf)						
Classification		Type XI	Type I	Type VIII	Type II	Type IX	Type XIV	Type XV	
Nominal Density		0.75	1.00	1.25	1.50	2.00	2.50	3.00	
Density, min, lb/ft³		0.70	0.90	1.15	1.35	1.80	2.40	2.85	
Property	Units	ASTM Test							
<b>Thermal Resistance</b>									
R Values (at 75°F)	per inch thickness	—	3.2	3.85	3.92	4.17	4.35	4.50	4.60
R Values (at 40°F)			3.5	4.17	4.25	4.55	4.76	4.85	5.05
R Values (at 25°F)			3.9	4.35	4.55	4.76	5.00	5.05	5.10
<b>Strength Properties</b>									
Compressive (10% def)	psi	D1621	5-9	10-14	13-18	15-21	25-33	40	60
Flexural	psi	C203	10-18	25-30	32-38	40-50	55-75	60	75
Tensile	psi	D1623	14-18	16-20	17-21	18-22	23-27		
Shear	psi	D732	11-13	18-22	23-25	26-32	33-37		
Shear Modulus	psi	—	190-230	280-320	370-410	460-500	600-640		
Modulus of Elasticity	psi	—	110-150	180-220	250-310	320-360	460-500		
<b>Moisture Resistance</b>									
Absorption (vol.)	%	C272	4.0	4.0	3.0	3.0	2.0	2.0	2.0
<b>Coefficient of Thermal Expansion</b>	in./in.(F)	D696	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035
<b>Maximum Service Temp.</b>	°F	—							
Long Term			167	167	167	167	167	167	167
Intermittent			180	180	180	180	180	180	180
<b>Oxygen Index</b>	%	D2863	24	24	24	24	24	24	24
<b>Dimensional Stability</b>	% change	C303	max. 2.0	max. 2.0	max. 2.0	max. 2.0	max. 2.0	max. 2.0	max. 2.0

<b>Toxicity</b>	Laboratory Reports	Approximately the same as burning wood, paper, or cardboard.
<b>Fungus &amp; Bacterial Resistance</b>	F.H.A. Test Procedures	Will not support bacterial or fungus growth — no food value.

• The LEED® green building certification program is the nationally accepted benchmark for the design, construction, and operation of green buildings. ICA is a manufacturer of ICA-LITE® EPS and Geofoam that contribute to LEED Points. 'LEED®' and related logo is a trademark owned by the U.S. Green Building Council® and is used with permission.

