



## ICA-LITE EPS Panels by ICA

Insulation Corporation of America

---

### BACKGROUND



**Description:** ICA-LITE EPS Panels by ICA is an expanded polystyrene insulation panel of rigid closed cell lightweight plastic foam. It is designed for use in foundation, wall, and roof insulation systems 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 Panels by ICA can be engineered to provide density ranges from 0.90 to 1.80 pounds per cubic foot.

**MasterFormat Number(s):** 13 30 00, 13 20 00, 09 81 00, 09 57 00, 09 56 00, 07 77 00, 07 42 63, 07 42 43, 07 42 13, 07 41 63, 07 41 43, 07 30 00, 07 24 13, 07 22 16, 07 21 13.13

---

**Manufacturer:**

Insulation Corporation of America  
2571 Mitchell Ave  
Allentown, PA 18103

[sales@insulationcorp.com](mailto:sales@insulationcorp.com)

<http://www.insulationcorp.com>

(610) 791-4200 (main)

**Distribution Channels:**

- Manufacturer-direct
- Distributor/(Representative)



## ICA-LITE EPS Panels by ICA

INSULATION CORPORATION OF AMERICA

---

### PRODUCT DETAILS

### SUSTAINABLE STANDARDS AND CERTIFICATIONS

#### Manufacturer Comments

ICA-LITE EPS Panels by ICA comply with the following codes and approvals

AIA - Section 702.9

UL

Factory Mutual (Ceiling Tiles)

### SUSTAINABLE PERFORMANCE CRITERIA

#### Additional Product Performance

Characteristic	Measurement test (UL, ASTM, FM, etc)	Results (value,units)
Flame Spread - Class 1	ASTM E-84	Less than 25
Thermal Conductivity	ASTM C177 or C518	0.23 - 0.26 Btu/(hr·ft²F)/inch
Compressive Strength	ASTM D1621	10-33 psi
Moisture Resistance	ASTM C355	1.2 - 3.0
Tensile Strength	ASTM D1623	16-27 psi



## Manufacturer Comments

### Comments

Product also complies with the following specs:

- ASTM C578-08 Type I, VIII, II & IX
- Mil Spec - MILP-19644C
- Mil Spec - MILP-40619A
- Army Corp of Engineers - CEGS 07220
- Coast Guard - CE256
- Air Force - AFM-88-15
- HUD/FHA - Use of Material Bulletin #71
- PA D.O.T Bulletin 15 - Section 1107.02(k)

## SUSTAINABLE COMPOSITION OF PRODUCT

### Composition

Fire Retardant Expandable Polystyrene  
Insecticide

### Toxicity

- |  |     |           |
|--|-----|-----------|
| <b>Does the product contain any California Proposition 65 chemicals?</b>   | Yes | <b>No</b> |
| <b>Does the product contain any Persistent, Bioaccumulative, and Toxic pollutants (PBTs) as listed on the EPA Priority PBT List?</b> | Yes | <b>No</b> |
| <b>Is the MSDS and/or a list of toxics available on company website?</b>   | Yes | <b>No</b> |



## Recycled Content

Post-Consumer: Percent by weight of total product	Post-Consumer: Description of post-consumer content Used/Scrap EPS products	Pre-Consumer: Percent by weight of total product	Pre-Consumer: Description of pre-consumer content Internal EPS Scrap	Total: Percent by weight of total product	Total: Measurement definition
12 range	--	3 range	--	15	--
--	--	--	--		

## Recycled Content Manufacturer Comments

ICA takes back clean unused EPS products for re-use in their products.

The EPS scrap can come from a variety of sources

## Rapidly Renewable Materials

Type (list)	Content in %, by weight	Measurement definition	Percent by weight
--	--	--	--

## Emissions

Measurement Standard

0 EPA Reference Test Method 24

g/l

What is the product's formaldehyde level? Yes No 0 ASTM E1333

ppm



Structured Information to Support  
Sustainable Design and Product Choices





# ICA-LITE EPS Panels by ICA

INSULATION CORPORATION OF AMERICA

---

## PRODUCT LIFE CYCLE

### LIFE CYCLE ANALYSIS

### LIFE CYCLE ANALYSIS

Has this product, Yes No  
or any product in  
the product  
category, gone  
through a life  
cycle assessment  
(LCA)?

Is an Yes No  
Environmental  
Product  
Declaration  
(EPD) available  
for this product,  
or any products  
in this category?  
*(An  
Environmental  
Product  
Declaration  
(EPD) provides  
Life Cycle  
Information in a*





Insecticide

Arizona

1

## Supply Chain

**What approximate percent of materials and/or assemblies by weight are sourced from ISO 14001 certified suppliers?**

none

**How has the company worked with suppliers on reducing the environmental footprint of your supply chain?**

ICA works closely with its suppliers on sustainability improvements. ICA's suppliers work closely with green alliance groups and their customers to drive carbon footprint reductions.

Additionally, they are constantly innovating new sustainable products for ICA to utilize.

## MANUFACTURING

### Manufacturing and Support Facilities

**Does the company maintain ISO 14001 registration for some or all manufacturing facilities, including international locations?**

none

**Does the company generate energy on-site from renewable resources?**      Yes No

Resulting reduction of purchased energy (fuels and electricity):

60

**Does the company purchase any thermal energy or electricity from renewable sources? (for electricity this refers to sources that meet the Center for Resource Solutions Green-e Energy National Standard)**      Yes No



## Manufacturing Process

### What is the company's specified goal for reducing energy consumption?

ICA has a plan to reduce its energy consumption by 60% over the next 5 years.

What steps has the company taken to reduce energy consumption of the manufacturing process?

What is the percent reduction achieved by unit of product over the specified period?

ICA recently installed a 191kW solar array to reduce their grid electricity usage

50

Enter Base year for period.

Enter Reporting year for period.

2009

2010

### What is the company's specified goal for GHG reduction?

ICA has a plan to reduce its GHG emissions by 30% over the next 5 years.

What steps has the company taken to reduce GHG emissions of the manufacturing process?

What is the percent reduction achieved by unit over specified period?

ICA is considering changes to its manufacturing process and building. Some of the initiatives include installation of VFD drives, lighting, and compressor upgrades.

20

Enter Base year for period.

Additionally, ICA converted 50% of its fleet to use APU's  
Enter Reporting year for period.

2009

2010

**Does the company participate in any recognized voluntary programs to increase energy efficiency and/or reduce GHG emissions in manufacturing?**

Yes No

**Does the company report greenhouse gas emissions?**

Yes No

### What is the company's specified goal for reducing potable water use?

ICA has a plan to reduce its potable water use by 10% over the next 5 years

What steps have been taken to reduce potable water consumption of the manufacturing process?

What is the percent reduction achieved by unit of product over the specified period?

ICA plan on installing water regulators and new flow nozzles on all sinks and to replace the toilets with low flow models.

0

Enter Base year for period.

Enter Reporting year for period.



2009

2010

**What is the company's specified goal for reducing solid waste?**

ICA plans on reducing its solid waste by 15% over the next 5 years

What steps has the company taken to reduce solid-waste created from the manufacturing process?

What is the percent reduction achieved by unit of product over the specified period?

ICA has plans to implement a plastic bag, paper, and cardboard recycling programs.

0

Additionally, ICA is considering a compost system for its food waste.

Enter Base year for period.

Enter Reporting year for period.

2009

2010

**What percent of the waste from the facility goes to hazardous waste, landfill, Waste-To-Energy (WTE), recycled (offsite)?**

hazardous waste:

landfill:

Waste-To-Energy (WTE):

0

20

0

recycled (offsite):

80

**Are any Hazardous Air Pollutants (as defined by EPA) created, used, or released during the manufacture of the product?**

Yes No

**Are any hazardous chemicals created, used, or released during the manufacture of the product which must be reported under the State Right to Know Act (SARA), Section 313 via the Toxics Release Inventory (TRI)?**

Yes No

*(The absence of hazardous chemicals or air pollutants in manufacture is laudable. However the presence of such hazards is not a simple indicator of environmental impact. Which listed hazards are present, how they are handled, the magnitude of emissions, and the extent and effectiveness of efforts to minimize creation, use, and releases of such hazards, are all important in assessing environmental responsibility. While it can be problematic to try to compare the performance of different companies, a record of TRI releases by company found on the EPA website allows review of a single company over time. [http://www.epa.gov/enviro/html/tris/tris\\_query.html](http://www.epa.gov/enviro/html/tris/tris_query.html))*



## Manufacturer Comments

The ICA process uses Pentane which is completely captured, recycled, and used as a fuel to heat the building.

## CONSTRUCTION

### Construction Waste Management

#### Shipping and Packing Materials (select all that apply for each)

Pallets:	Boxes:	Packing filler:
Reusable, Recyclable	Not used	Not used
Containers:	Wrapping:	Other:
Manufacturer/Installer accepts back	Not used	Tape / Stretch Wrap
<b>Has the company reduced the amount of packaging required?</b>		<b>Yes No</b>
<b>Does the design of this product include features that reduce amount of excess material/overage required at installation?</b>		<b>Yes No</b>
What is the typical % excess material/overage?	What are the disposition options for excess material?	
5	Return to ICA for reuse	

### Contract Closeout

**Final Cleaning:** Yes No

**Do recommended final cleaning materials emit any known airborne toxins**



or VOCs?

## **FACILITY OPERATIONS**

### **Product Lifespan**

**What is the  
expected lifespan  
of the product?**

100

years

**What is the  
maximum length  
of manufacturer's  
warranty?**

90 Days

## **DECONSTRUCTION / RECYCLING PHASE**

### **Manufacturer/Industry Programs**

**Is there a  
maintenance/replacement  
agreement?**

Yes No

**Is there a buy-back or  
take-back program for  
products at end-of-life?**

Yes No

If yes, Yes No  
is there



a cost  
to the  
customer?

**For the manufacturing  
take-back program, what is  
the recycling rate for  
take-back product relative  
to your annual production  
in lbs?**

12

## **Product Reuse**

**Is the entire product  
reusable?**      Yes No

**Are components of the  
product reusable?**      Yes No

**If yes to either of the  
above, do installation  
techniques allow it to be  
easily  
removed/disassembled  
without damage?**      Yes No

## **Product Recycling / Disposal**

**Is product 100% biodegradable?**      Yes No

**Is product 100% compostable?**      Yes No

**Does product require disposal in a  
landfill?**      Yes No

If yes, what classification of landfill?



Class III - Nonhazardous waste



## ICA-LITE EPS Panels by ICA

INSULATION CORPORATION OF AMERICA

---

### ADDITIONAL INFORMATION

#### Stewardship

#### Stewardship

Are any of the company's buildings/sites certified under a green building rating system?      Yes No

Are there other environmental groups that also list the product(s)?

Is this product GreenSpec listed?      Yes No

Does the company participate in any voluntary programs to reduce environmental impact of the listed product(s)?      Yes No



## Transparency of Information

### Transparency of Information

Is the environmental information reported in this form available on the website?      Yes No

Does the company have an environmental policy or sustainability plan available on its website?      Yes No

Does the company produce a corporate sustainability report for public review?      Yes No

Ingredients or materials that comprise the product are fully disclosed on product packaging or in materials      Yes No



**accompanying  
the product**

---

*This GreenFormat listing has been self-completed by the manufacturer. It does not convey or imply any CSI or GreenFormat "approval," "certification," "verification," or any other third-party review or endorsement of the product's characteristics or quality by CSI or its agents.*