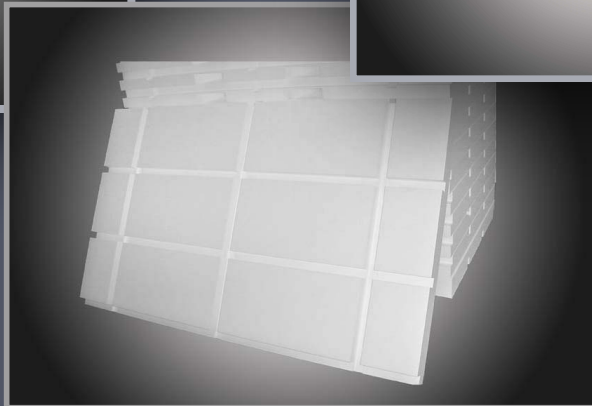
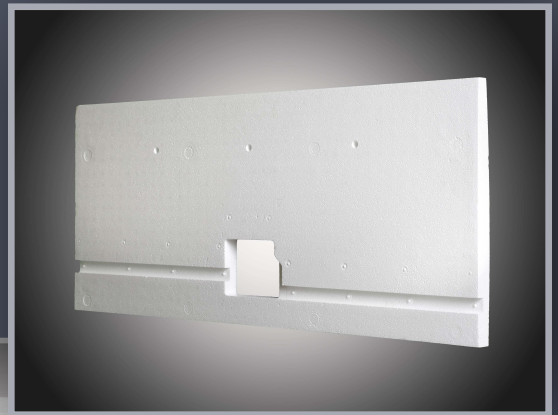
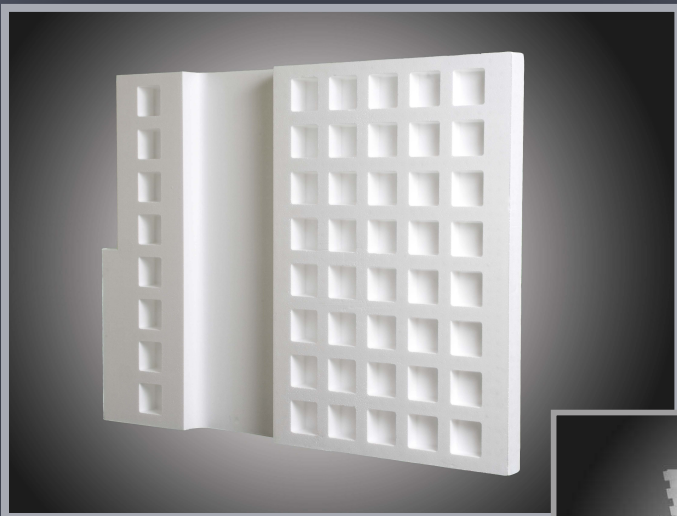


# RV Insulation

EXPANDED POLYSTYRENE

OEM



**ACH**  
FOAM TECHNOLOGIES

LEADING THE INDUSTRY IN EPS MANUFACTURING ●●●

# RV Insulation

## EXPANDED POLYSTYRENE

OEM

ACH Foam Technologies Recreational Vehicle Expanded Polystyrene (EPS) can be easily cut to fit sidewalls, roofs and floors of RVs. Excellent surface bonding for lamination creates an envelope around the RV. EPS cores have fewer gaps resulting in substantially reduced heat transfer than with conventional stud construction.

Recreational Vehicle EPS is available in a variety of sizes, thicknesses and densities. Fabricated CNC and custom molded parts are available upon request. State-of-the-art EPS technology assures you will receive a superior product engineered with precision accuracy for long-term performance.

Strict manufacturing specifications, quality control and shorter shipping distances are reasons our customers count on ACH for RV Insulation year-after-year. ISO 9001:2008 Certified (Wisconsin & Iowa). Recreational Vehicle EPS is recyclable and environmentally friendly. It contains no CFCs, HCFCs, HFCs or formaldehyde and comes with a 20-Year Thermal Warranty.

### Benefits

- More R-Value for Less Money
- Durable & Lightweight
- Unlimited Design Potential
- Sanded EPS Available
- High R-Value Retention
- ISO 9001:2008 Certified (Wisconsin & Iowa)
- Shorter Shipping Distances
- UL Classified
- Flatbed Delivery for Quick & Efficient Unloading
- Weather Resistant Units for Space Saving Outdoor Storage
- Environmentally Friendly & Recyclable

### Resource Efficient

EPS manufacturing uses little energy and creates little pollution. Steam is a component of the Expanded Polystyrene (EPS) manufacturing process. The water from this process is collected and re-used many times. Additionally, only 0.1% of total oil consumption is used to manufacture EPS.

### Made With Recycled Material

Scrap EPS generated during manufacturing is ground and incorporated into new EPS products. EPS is easily recyclable and can be turned into new expanded polystyrene (EPS) products or thermally processed into a resin to make other products such as garden furniture, coat hangers and disposable cameras.

### Environmentally Friendly

EPS has never contained CFC (chlorofluorocarbon), HCFC (hydrochlorofluorocarbon), HFCs (hydrofluorocarbon) or formaldehyde which are harmful to the earth's ozone. EPS is inert and stable and does not produce methane gas or contaminating leachates.

### EPS Properties<sup>1,3</sup>

Property		Type XI	Type I	Type VIII	Type II	Type IX	Type XIV	Type XV
Nominal Density	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.75 (12)	1.00 (16)	1.25 (20)	1.50 (24)	2.00 (32)	2.50 (40)	3.00 (48)
Density <sup>1</sup> , min.	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.70 (12)	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)	2.40 (38)	2.85 (46)
Design Thermal Resistance per 1.0 in. thickness	75°F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.22 (0.57)	3.85 (0.68)	3.92 (0.69)	4.17 (0.73)	4.35 (0.77)	4.45 (0.78)
	40°F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.43 (0.60)	4.17 (0.73)	4.25 (0.75)	4.55 (0.80)	4.76 (0.84)	4.85 (0.85)
Thermal Resistance <sup>1</sup> , min per 1.0 in. thickness	75°F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.10 (0.55)	3.60 (0.63)	3.80 (0.67)	4.00 (0.70)	4.20 (0.74)	4.30 (0.76)
	40°F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.30 (0.58)	4.00 (0.70)	4.20 (0.74)	4.40 (0.77)	4.60 (0.81)	4.70 (0.83)
Compressive Strength <sup>1</sup> @ 10% deformation, min.	psi (kPa)	5.0 (35)	10.0 (69)	13.0 (90)	15.0 (104)	25.0 (173)	40.0 (256)	60.0 (414)
Flexural Strength, min.	psi (kPa)	10.0 (69)	25.0 (173)	30.0 (208)	35.0 (242)	50.0 (345)	60.0 (414)	75.0 (517)
Water Vapor Permeance <sup>1</sup> of 1.0 in. thickness, max.		5.0	5.0	3.5	3.5	2.5	2.5	2.5
Water Absorption by total immersion, max., volume %		4.0	4.0	3.0	3.0	2.0	2.0	2.0
Oxygen Index <sup>1</sup> , min., volume%		24.0	24.0	24.0	24.0	24.0	24.0	24.0
Flame Spread <sup>2</sup>		20	20	20	20	20	20	20

<sup>1</sup> See ASTM C 578 Standard Specification for complete information.

<sup>2</sup> See UL Certificate AFM-1 available from ACH Foam Technologies

<sup>3</sup> EPS has a smoke developed index of 150-300 when tested in accordance with ASTM E84/UL 723 for densities from 0.7 - 2.0 lb/ft<sup>3</sup>. Contact ACH Foam Technologies for more information.



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