

Product Data Sheet Advanced Cant

DESCRIPTION

Advanced Cant is manufactured from Expanded Polystyrene (EPS) foam, 1.5# nominal density meeting or exceeding ASTM C578, Type II. Advanced Cant can be manufactured in a variety of sizes but the most common sizes are 4.25" and 6" face surface. Advanced Cant is ideal for commercial low slope roofing making a smooth transitions from the roof deck surface terminating on a wall or parapet wall. (See roofing system manufacturers specifications for approval).

EPS FOAM INSULATION

Expanded polystyrene (EPS) is a closed cell, light weight, resilient foamed plastic insulation. EPS is able to withstand the abuse of temperature cycling and assuring long term performance. EPS has been an innovative building material since the 1950's and is recognized as a mainstream insulation and building material. EPS is an ideal choice for green building designs offering environmental advantages that can maximize energy efficiency.

EPS ENVIRONMENTAL IMPACT

EPS insulation is an inert, organic material produced from petroleum and natural gas by-products. EPS insulation does not contain CFC's, HCFC's, adhesives or formaldehyde. EPS foam insulation provides no nutritive value to plants, animals, or micro-organisms. It will not rot and is highly resistant to mildew and mold resistant (Tested in accordance with ASTM C1338 "Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings).

TEMPERATURE CYCLING

EPS is able to withstand the riggers of temperature cycling assuring long term performance. In a series of tests conducted by the Dynatech Research Development Co., Cambridge, MA, core specimens removed from existing freezer walls, some as old as 16 years, demonstrates EPS withstands freeze-thaw cycling without loss of structural integrity or other physical properties.

SOLVENT ATTACK

EPS is subject to attack by petroleum based solvents. Care should be taken to prevent contact between EPS and these solvents or their vapors.

STORAGE

EPS foam products must be stored flat on the original shipping runners, pallet or cartons. The material must be elevated above floor or ground level. If stored outdoors, must be covered with UV and waterproof covering. Do not store close to open flame.

FEATURES & BENEFITS

- Cost effective solution for Cant Strip
- EPS foam 1.5# Den., ASTM C578, Type II (1.35 psi min.)
- EPS more moisture resistant than wood fiber or perlite
- R-value may be used without adjustment for aging
- EPS foam insulation is mold resistant
- EPS is able to withstand the abuse of temperature cycling
- Light weight, easy to cut and install
- Adds smooth transition from roof surface to wall
- Designed to be tough and durable for Installers

TYPICAL PHYSICAL PROPERTIES

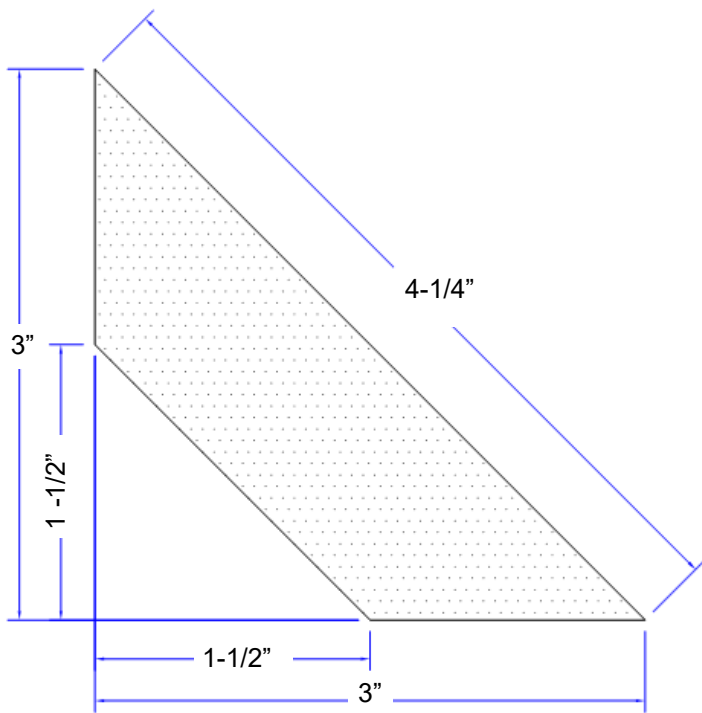
Physical Property	Test Method	Test Value
Expanded Polystyrene (EPS) Type	ASTM C578, Type II	1.5# Nominal Density
Density Range (pcf)	D303 or D1622	1.35 - 1.79
Compressive (psi) 10% Deformation	D1621	15 - 21
R- Value (75° F.)		4.17
Moisture Absorption (vol.) %	C272	Less than 3.0
Moisture Resistance (wvt) perm. In.	E96	1.0 - 3.5
Smoke Developed	ASTM E84	Less than 450
Flame Spread	ASTM E84	Less than 25
Maximum Service Temperature	180° F. Intermittent	167° F. Long-term

CAUTION

Expanded Polystyrene (EPS) contains a flame retardant. However, it should be considered flammable and should not be exposed to any source of combustion. EPS insulation should be covered with a thermal barrier or otherwise installed in accordance with applicable building code requirements.

ULTRAVIOLET DEGRADATION

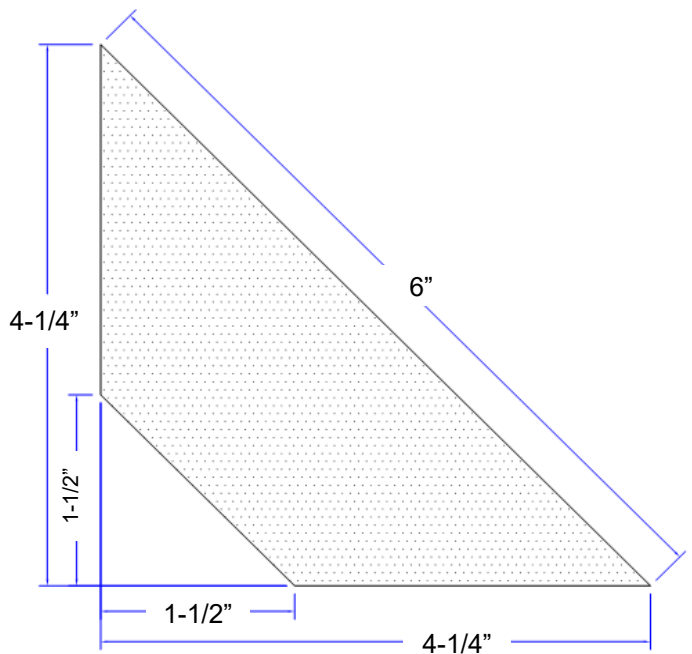
Prolonged exposure to sunlight will cause slight discoloration and surface dusting of EPS insulation. The insulating properties will not be significantly affected under normal usage. EPS stored outside should be protected with a light-colored opaque tarpaulin.



End View - 4.25" Face x 48" Long

PACKAGING

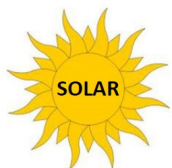
Face	4 1/4" Face	6" Face
Dimension	3" x 3"	4 1/4" x 4 1/4"
Length	48"	48"
Pieces per Carton	77 Pcs. / Ctn.	30 Pcs. / Ctn.
Carton Size	12" x 24" x 48" (UPS)	12" x 24" x 48" (UPS)



End View - 6" Face x 48" Long

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