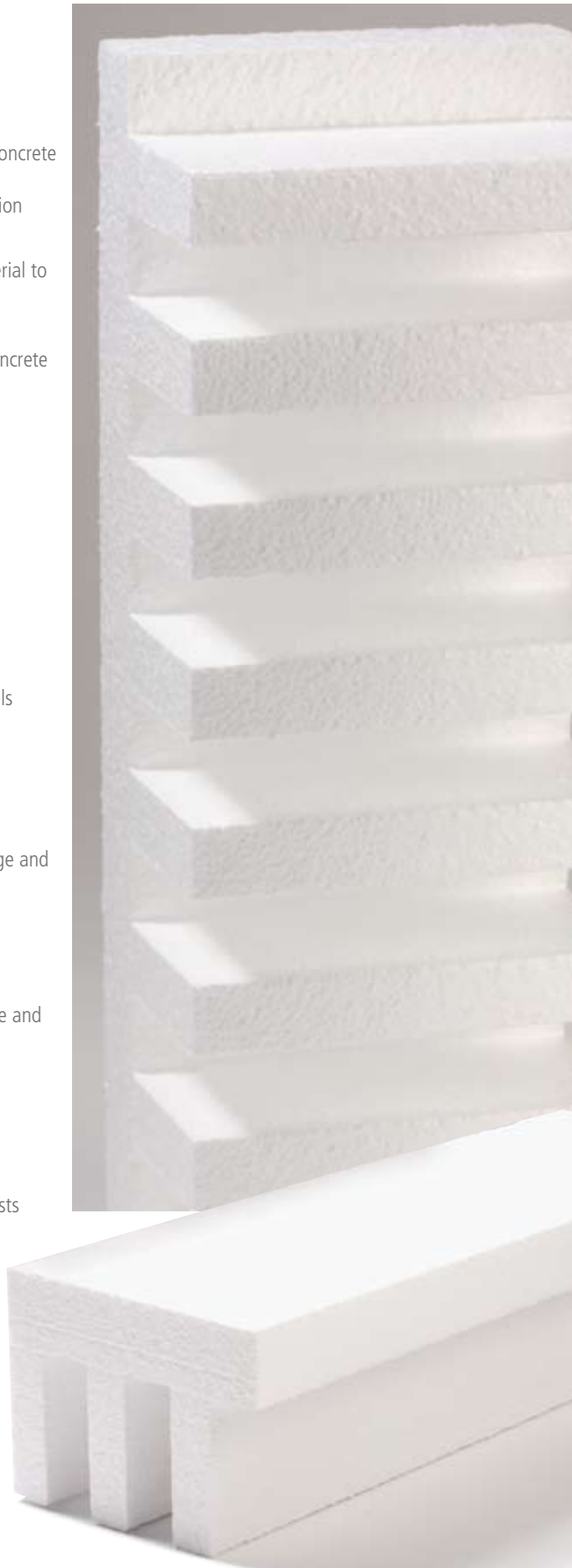
Frost Cushion
Product Description

AMC Foam Technologies Inc.



PRODUCT FEATURES

Basic Uses/Related Uses

- An expanded polystyrene (EPS) void form material for use under grade beams and other concrete elements, where the weight of the concrete component plus the weight of the supported structure will cause void material compression, preventing damage from subgrade expansion

Product Attributes and Characteristics

- Static compressible inclusion, where the weight of a structure will compress the void material to protect the grade beam against frost uplift or clay soil swell
- Absorbs frost and moisture induced swelling of underlying soil
- Structural capacity to adequately support concrete placing, finishing, and weight of the concrete element itself
- Freeze/thaw resistant and low moisture absorption
- Contains no CFCs, HCFCs, or other refrigerant gases
- Biologically inert and will not support mould, mildew or fungus growth
- Contains a chemical additive to inhibit accidental ignition from a small fire source
- Non-toxic and hypo-allergenic

Selection Criteria

- Product is available in two depths and four standard widths, with custom sizes available on request

Applicable Standards, Related References

- ASTM E84 – standard Test Method for Surface Burning Characteristics of Building Materials

Quality Statement, Tests, Certifications,and Approvals

- IS0 9001:2000 registered company (Quality Certification Bureau #Q9234)

Packaging, Handling, Protection, and Delivery Instructions

- FROST CUSHION boards must be protected from damage during transit
- Pile void form material on raised platforms and protect from UV degradation during storage and after erection, if product is to be exposed for one month or more

Limitations

- Product will burn when exposed to large continuous flame

Safety Precautions

- Normal fire precautions and good housekeeping methods must be followed during storage and application

Availability

Contact AMC Foam Technologies Inc. for a list of local distributors.

Cost

- Varies with substrate condition and configuration, and relative size of building
- Consult manufacturer (national or regional) offices for specific product costs or relative costs

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PRODUCT PROPERTIES

Materials, Composition, Properties

Technical properties

Rigid closed cell, expanded polystyrene (EPS) board

Flame spread index/smoke developed index: less than 25/450 to ASTM-E84

Configured to support a maximum load of 27 kPa (4 psi) at 5% strain

Dimensions

Standard sizes available:

THICKNESS	NOMINAL WIDTHS*	LENGTH
100 mm (4")	200 mm (8")	2440 mm(8')
	250 mm (10")	
	300 mm (12")	
	1220 mm (48")	
150 MM (6")	200 mm (8")	2440 mm (8')
	250 mm (10")	
	300 mm (12")	
	1220 mm (48")	

*Unless otherwise specified at time of purchase, Frost Cushion is supplied 5 mm (1/4") narrower than stated width, in order to facilitate placement inside standard formwork.

PRODUCT PLACEMENT

Preparation

- Surface to receive FROST CUSHION must be prepared and level

Installation

- Place FROST CUSHION at bottom of form with flat surface facing upwards
- Plywood overlay or alternative material may be used to distribute stresses from point loads

Maintenance Instructions and Procedures

- Product should not be exposed to volatile hydrocarbons and anhydrous acids, which may attack the expanded polystyrene

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