

FROST CUSHION®

GRADE BEAM VOID FORM SYSTEM

PRODUCT DESCRIPTION

FROST CUSHION is manufactured from inert closed cell expanded polystyrene (E.P.S.). It is used under concrete grade beams, forming voids to compensate for frost and moisture-induced swelling of underlying soils that might otherwise lift or fracture the concrete structure. FROST CUSHION will not collapse due to water absorption. It resists soil movement into the void space.

FROST CUSHION has excellent resistance to freeze/thaw and has low moisture absorption properties. It is not biodegradable and has no pest nutrient value.

APPLICATIONS

FROST CUSHION can be used under grade beams and other structural concrete members. It will support a total working load equivalent to the weight of 4 feet (1200 mm) of concrete.

Beaver Plastics Ltd. is registered by the International Standards Organization (ISO) under the ISO 9001-2000 Quality Assurance Program. This is a set of standards and criteria which is internationally recognized as an assurance of product quality and consistency.

SPECIFICATIONS/COMPLIANCIES

Section 03300 Cast-In-Place-Concrete

1. General

1.1 Related Work Specified Elsewhere

- .1 Concrete formwork, SECTION 03100

2. Products

2.1 Materials

- .1 Grade beam void forms - "Frost Cushion" manufactured by Beaver Plastics Ltd., expanded polystyrene configured to support a maximum load of 4 p.s.i. (27 kPa) at 5% deformation.

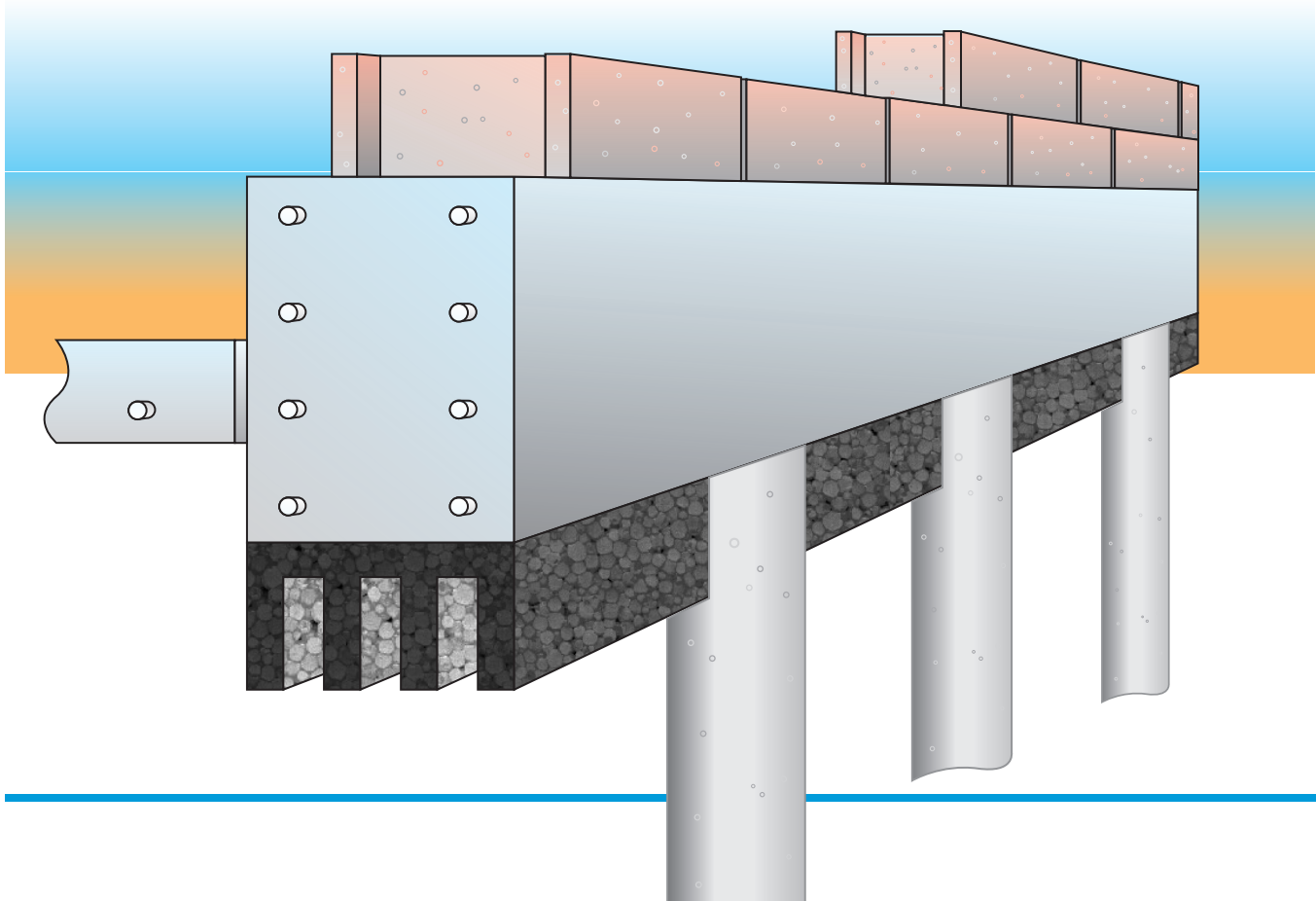
3. Execution

3.1 Storage of Materials

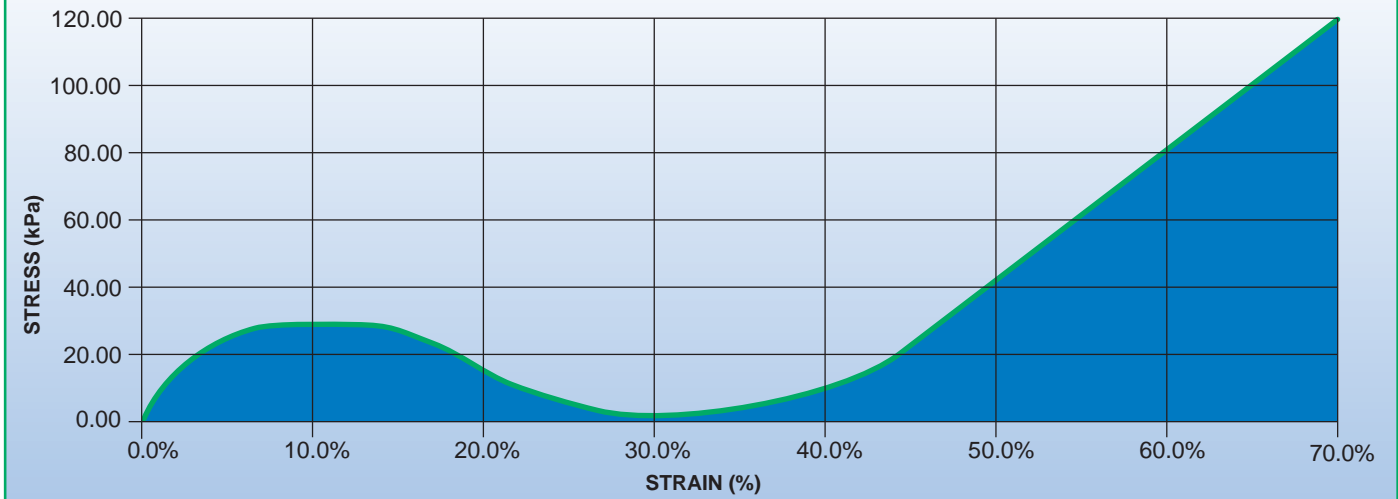
- .1 Pile void form on raised platforms and protect with lightproof cover.

3.2 Workmanship

- .1 Place Frost Cushion at bottom of form with flat surface facing upwards.
- .2 Plywood overlay or alternate may be used to distribute stresses from point loads.



COMPRESSIVE STRESS/STRAIN TEST (ASTM D-1621)



CHEMICAL PROPERTIES

Expanded polystyrene should not be exposed to volatile hydrocarbons, such as fuels, oils, gasoline, and some alcohols. Anhydrous acids, such as sulfuric, glacial and formic acid may also attack expanded polystyrene. Consult with Beaver Plastics for more detailed information.

HEALTH AND THE ENVIRONMENT

FROST CUSHION is one of the few foam plastic materials available that contains absolutely no CFCs, HCFCs, or other refrigerant gases. The ozone depletion potential is zero. FROST CUSHION is non-toxic and hypo-allergenic, and will not irritate sensitive skin on exposure.

FLAMMABILITY CHARACTERISTICS

FROST CUSHION contains a chemical additive to inhibit accidental ignition from a small fire source. This additive, however, will not prevent burning when the material is exposed to a large continuous fire source or intense heat. Observe normal fire precautions and good housekeeping methods during application.

QUANTITY/SIZES/SHIPPING WEIGHTS

THICKNESS	WIDTH	LENGTH	PCS/BDLE	TOTAL/BDLE
4" / 100mm	8" / 200mm	8' / 2440mm	60	480LF / 146 m
4" / 100mm	10" / 225mm	8' / 2440mm	50	400LF / 122 m
4" / 100mm	12" / 250mm	8' / 2440mm	40	320LF / 97 m
4" / 100mm	48" / 1220mm	8' / 2440mm	10	320SF / 30 m ²
6" / 150mm	8" / 200mm	8' / 2440mm	48	384LF / 117 m
6" / 150mm	10" / 225mm	8' / 2440mm	40	320LF / 97 m
6" / 150mm	12" / 250mm	8' / 2440mm	32	256LF / 78 m
6" / 150mm	48" / 1220mm	8' / 2440mm	8	256SF / 24 m ²

STANDARD BUNDLE DIMENSIONS: 30" x 48" x 96" / 750mm x 1220mm x 2440mm

STANDARD BUNDLE WEIGHT: 35 lbs / 16 kgs

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