

Frost Cushion

Geological Application / Grade Beam Void Form System



FROST CUSHION

helps protect concrete members from soil uplift damage.

Frost and moisture-induced swelling of underlying soils can lift or fracture concrete, **Frost Cushion** may be used to absorb these forces.

FROST CUSHION

is not biodegradable.

Permanently resists soil movement into void space, and limits water/ice collection in below grade applications. To prevent soil from extruding into the unique, open notch design, choose our commercial cut version, manufactured for commercial/industrial contractors.

FROST CUSHION

is made from expanded Polystyrene (EPS).

Configured to support a load of 4 pounds per square inch, which is equivalent to an approximate 4 foot thickness of fresh concrete. The unique design of the product reduces uplift forces by up to 50% over conventional EPS void form, through a folding action, under loading.

FROST CUSHION

is not affected by moisture.

Will not soften or prematurely collapse due to water absorption.

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. AMC is registered by the International Standards Organization (ISO) under the ISO 9002 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

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 AMC Foam Technologies Inc. for more detailed information.

Health and the Environment

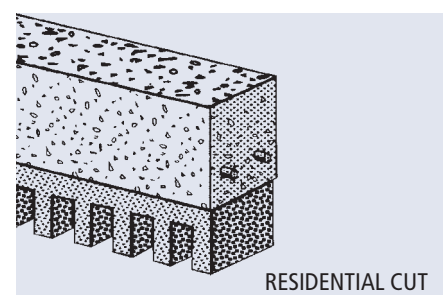
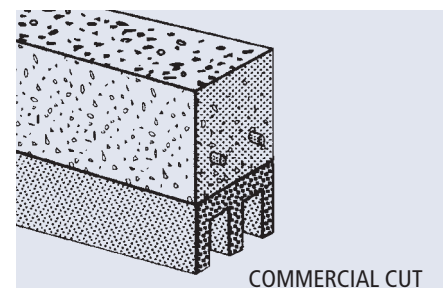
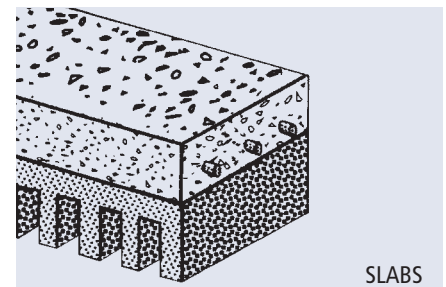
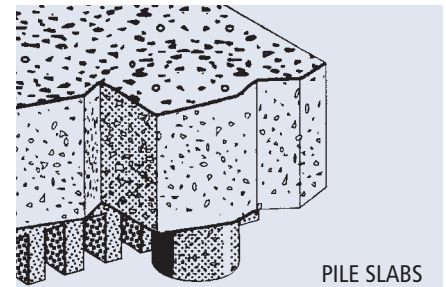
FROST CUSHION is one of the few foam plastic materials available that contains absolutely no CFCs, HCFCs, or other refrigerant gases. The ozone depletion potential is zero. FROST CUSHION is non-toxic and hypo-allergenic, and will not irritate sensitive skin on exposure.

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.

Availability

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



SECTION 03300 CAST-IN-PLACE CONCRETE – SPECIFICATIONS

1. GENERAL

Related works specified elsewhere

Concrete form work section 03100

2. PRODUCTS

Materials

Void Forms – **Frost Cushion** manufactured by AMC Foam Technologies Inc.: expanded polystyrene configured to support a maximum load of 4 pounds per square inch at 5% deformation. Specify *residential* or *commercial* version.

3. EXECUTION

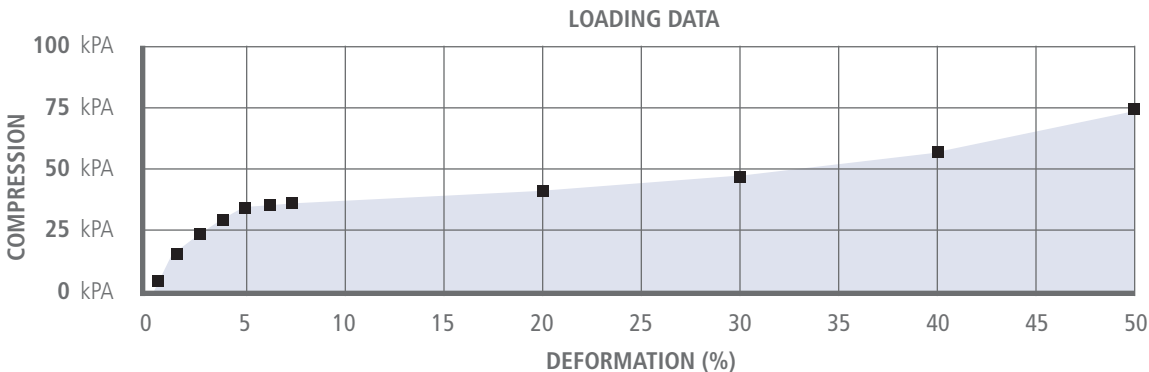
Storage of Materials

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

Workmanship

1. Place void form at bottom of form with flat surface facing upwards.
2. Plywood overlay or alternate may be used to distribute stresses from rebar chairs or other point loads.

Stocked in 4-inch and 6-inch thicknesses, up to 48 inches wide by 8 feet long. Custom sizes by special order.



Disclaimer: The Following Limits the Liability of AMC Foam Technologies Inc.

The manufacturer and all distributors and this void form product shall have no liability whatsoever to the purchaser of this void form product, who hereby agree that they shall look solely to any contractor or sub-contractor engaged by or on its behalf, for any and all loss, damage, injury, harm or costs that may result at anytime from the use or uses of this void form product when not installed with accordance with good and workmanlike construction standards and best practices methods known or which ought to be known by installers at the time and place of installation, and without limitation, when the installation has not been performed in compliance with or to the standards set out in all applicable Building Codes. In particular, but without restriction, the manufacturer and all distributors of this void form product shall have no liability whatsoever for improper installation of this void form product, for improper preparation or creation of the void space, improper filling of the void space into which the product is placed, or for the removal of this void form product from the building, when any such steps were not performed in accordance with the standards referenced above.

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