

R-9300[®]

GENERAL PLASTICS MANUFACTURING COMPANY

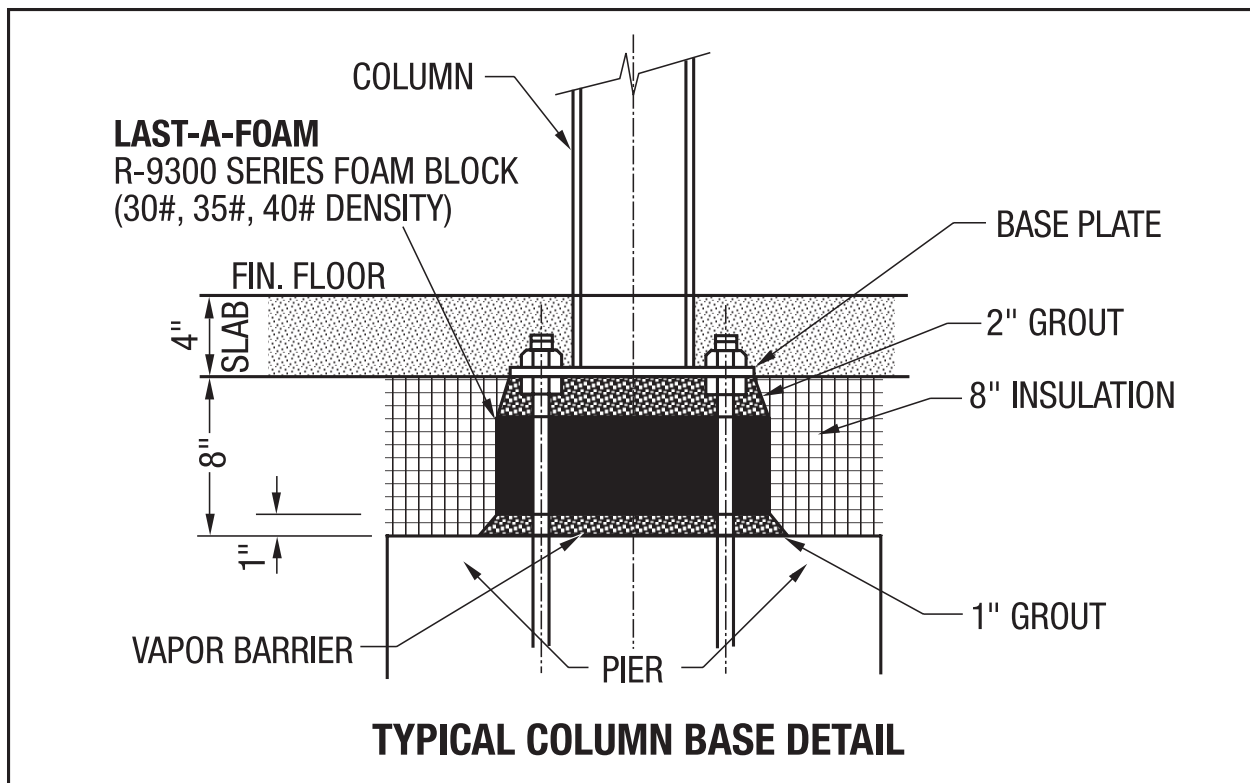


COLUMN BEARING BLOCKS



Product Benefits:

- Ensures minimal energy transfer to cooler/warmer earth at foundation
- High compressive strength to support roof-column loads
- Inert, will not rot
- Closed-cell material will not absorb liquid water
- Will not support insects or vermin
- Will not release chemicals into surrounding soil
- Compatible with grouts, adhesives, concrete. Will not promote steel corrosion.
- Standard blocks are single-piece, with no adhesive joints
- Blocks are custom-cut, with anchor-bolt holes pre-drilled, if desired



(Demonstration of product-use concept only. Drawing not to scale. Not to be used for specification purposes. Installation will vary with individual building and site requirements.)

PRODUCT DESCRIPTION

R-9300 is a high-density rigid cellular polyurethane designed for supporting heavy structural loads while providing a break in the pathway for the passage of thermal energy to (or from) a building interior to the supporting ground.

The high-density of this cellular polyurethane material allows it to support high compressive loads with little deflection.

Standard **R-9300** blocks are available in 30 (**R-9330**), 35 (**R-9335**), and 40 (**R-9340**) pound-per-cubic-foot densities. **R-9330** blocks are certified to support compressive loads up to 1,000 psi at 2% deflection. **R-9335** and **R-9340** blocks will support higher loads at similar 2% deflection.



R-9300® STRUCTURAL LOAD CAPABILITY

R-9300 Block Type	Minimum Compressive Strength at 2% Deflection(psi)
R-9330 (30 lbs. Per cu. ft.)	1,000
R-9335 (35 lbs. Per cu. ft.)	1,500
R-9340 (40 lbs. Per cu. ft.)	1,800

Because it is a polyurethane material, it will not rot or dissolve in sub-grade applications. It is inert, and will not promote the corrosion of steel components placed in contact with it. **R-9300** provides nothing for vermin or insects to feed upon, nor does it release any chemical compounds into surrounding soil. Its closed-cell structure prevents absorption of liquid water into the material.

Because each block is supplied cut-to-size, and can be provided with anchor-bolt holes pre-drilled, job-site placement of blocks is quick and easy. Since **R-9300** is delivered as a fully-cured, ready to use material, there is no waiting before moving on to the next construction step, saving precious time.

THERMAL PERFORMANCE

Cellular polyurethane is a natural insulator. Even at the high densities needed for support of roof-column loads, **R-9300** will provide thermal insulation value superior to lightweight concrete, treated wood blocks, and other materials typically used in this application.

R-9300 Block Type	“k”-factor	“R”-Value per inch of block
R-9330 (30 lbs. Per cu. ft.)	0.515	1.94
R-9335 (35 lbs. Per cu. ft.)	0.577	1.73
R-9340 (40 lbs. Per cu. ft.)	0.640	1.56

SUPPLIED FORMS

Blocks are supplied cut-to-size, *per customer specifications*. Drawings for blocks, with bolt-hole patterns indicated, when available, are most appreciated. If desired, anchor-bolt holes can be drilled at the factory (customer-supplied drawings or templates required).

Standard lead-time is approximately 3 weeks to produce and ship most orders. ***This does not include shipping time needed to get blocks to the job site.*** Blocks are shipped direct from the factory to the job-site.

Since each job is different, it is difficult for us to provide price lists. We are, however, most happy to provide a quotation for your specific project. Please advise the size(s) of blocks needed, number of each, with or without bolt-holes, and the job-site location for an accurate quotation.

INSTALLATION RECOMMENDATIONS

- Blocks must be installed on clean, smooth surfaces. If wet, blocks should be wiped or air-blown dry to remove surface moisture before installation.
- Broken blocks cannot be repaired, and must not be used. Please contact General Plastics Manufacturing Company for replacement.
- Blocks must not be allowed to “bridge” over voids or gaps, or rest on surface projections over 0.125" high.
- Use of fast-setting leveling grout between R-9300 block and mating structures is recommended whenever possible.
- When using grout, special care should be taken to insure no voids occur between the block and its mating structures, and that the joint is fully-filled.
- Pre-drilled anchor-bolt holes should be over-sized approximately 0.375” to allow for minor variations in anchor-bolt locations.

IMPORTANT NOTICE TO PURCHASER: Test values shown in this document are not to be used for setting specifications. All statements, technical information, and test values shown in this document are based on test methods we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. All designs incorporating these materials should include appropriate engineering safety factors to ensure safe and adequate performance. Users should perform their own tests on their own designs incorporating these materials to determine suitability for use in their application.



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