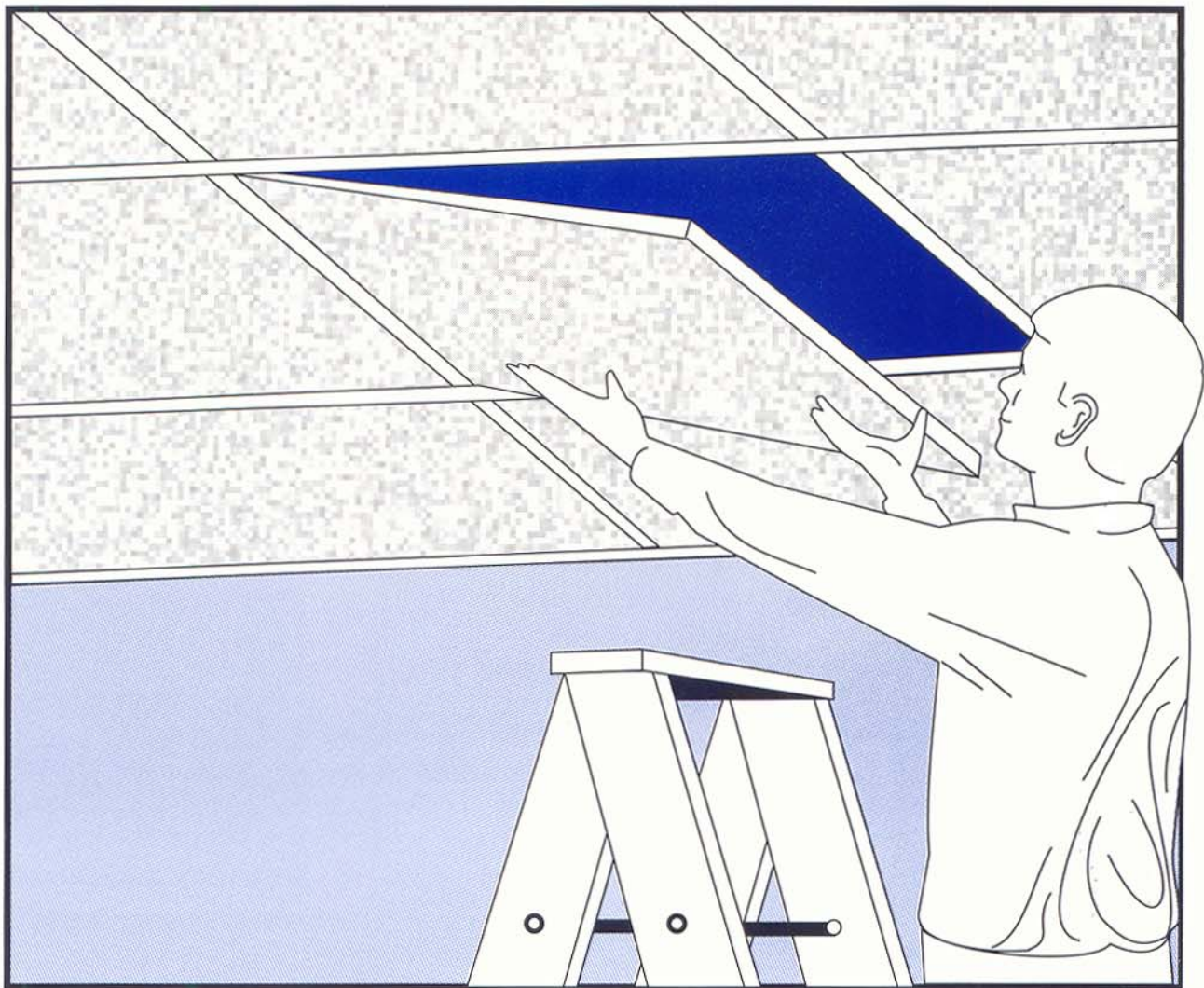




cellofoam®

## FoamGrid® EPS Drop in Ceiling Panels



**Put a ceiling on heating costs**

- Low cost – high efficiency
- Resists mold, mildew and rot
- Highly reflective surface



- Resistant to sagging and warping
- Simple to do-it-yourself
- Washable — easy to keep clean

# FoamGrid® EPS Drop in Ceiling Panels

## Advantages

FoamGrid® is molded from expandable polystyrene resin beads. Because of its' dimensional stability and unusual insulating properties, CELLOFOAM® FoamGrid® is an excellent product for use in ceiling applications.

The material is easily installed using a standard grid system, and the fact that it can be worked with standard wood working tools makes it especially easy for the do-it-yourself person.

CELLOFOAM® FoamGrid® is odorless, chemically inert, has no food value and will not support plant or animal life. With its closed cell structure, FoamGrid will not warp or sag and has resistance to moisture.

CELLOFOAM® FoamGrid® can modernize any ceiling by hiding the cracked or stained plaster. FoamGrid covers up unsightly ducts, pipes and wiring, yet still gives instant accessibility.

In addition to beauty and convenience, you'll enjoy additional insulating and acoustical properties that make an area quieter and more comfortable.

## Ease of Installation

Measure ceiling area—layout grid system—place FoamGrid in grid. To fabricate, use sharp knife and straight edge.

## Cleaning Ease

Remove panels, wipe clean with soap and water and replace.

## Insulating Qualities

With a CELLOFOAM® FoamGrid® ceiling you add beauty and insulating value at the same time. FoamGrid® is made from the same material as Cellofoam building insulation.

## Factory Mutual Approved

FoamGrid is Factory Mutual Approved for installation under sprinkler systems and in non-combustible buildings having occupancies that do not require sprinkler protection.

| PHYSICAL PROPERTIES OF CELLOFOAM® EXPANDED POLYSTYRENE |                 |                  |           |                |
|--|-----------------|------------------|-----------|----------------|
| Specification Reference: ASTM C578-92                  |                 |                  |           |                |
| Property   |                 | Units            | ASTM Test | Type I         |
| Density  |                 | PCF              |           | 1.0            |
| Thermal conductivity                                   | at 40F          | BTU/(hr)         |           | 0.24           |
| K factor   | at 75F          | (sq. ft.) (F/In) | C 177     | 0.26           |
| Coefficient of thermal expansion                       |                 | (in./In) F       | D 696     | 0.000035       |
| Effective temperature / range                          | continuous      | F                | —         | up to 167      |
|  | intermittent    | F                | —         | max 180        |
| Compressive strength at 10% deflection                 |                 | psi              | D 1621    | 10 -14         |
| Flexural strength                                      |                 | psi              | C 203     | 25 - 30        |
| Flammability   |                 | —                | D 1692    | Modified Grade |
| Capillarity  |                 | —                | —         | none           |
| Water Vapor transmission                               |                 | perm in          | C 355     | 1.2-3.0        |
| Water absorption (by volume)                           |                 | %                | C 272     | less than 2.5  |
| Bond strength (in sheer)                               | Portland cement | psf.             | —         | 830            |
|  | gypsum plaster  | psf.             | —         | 510            |

| FoamGrid®   |         |
|---|---------|
| R-Value .....   | 3.85    |
| Thickness .....   | 1"      |
| Length .....  | 23 3/4" |
| Width .....   | 47 3/4" |
| Sq. Ft. Per Package .....   | 96*     |
| Pieces per Carton .....   | 12      |
| <i>*Covers 96 Square feet, installed in a standard grid system.</i> |         |

## Precautions

CELLOFOAM® FoamGrid® is manufactured exclusively with expanded polystyrene containing a flame retardant additive and will resist ignition by sparks or other small flame sources. However, like all organic materials, FoamGrid is combustible. • FoamGrid should be stored in a location protected from ignition sources. • Prohibit open flame or potential ignition sources in areas where FoamGrid is installed. Remove FoamGrid prior to performing any welding or soldering operations. • Do not expose FoamGrid to solvent based adhesives or panels. Expanded polystyrene is softened or degraded by many solvents.

**WARRANTY:** The manufacturer warrants this material to be free from defects of workmanship and materials and the manufacturer's liability in the event of defect shall be limited to the replacement of the defective material. Other than herein expressly provided, there are no warranties, expressed or implied.



P.O. Box 406  
Conyers, Georgia 30012

800-241-3634  
FAX 770-929-3608