

# GOLD BOND® BRAND 1" FIRE-SHIELD® SHAFTLINER

## MANUFACTURER

National Gypsum Company  
2001 Rexford Road  
Charlotte, NC 28211  
(704) 365-7300

Technical Information:  
1-800-NATIONAL  
(1-800-628-4662)

Fax: 1-800-FAX NGC1  
(1-800-329-6421)

Internet Home Page:  
www.nationalgypsum.com  
09250/NGC BuyLine: 1100

## DESCRIPTION

Gold Bond® BRAND Fire-Shield® Shaftliner panels consist of a fire-resistant type X gypsum core encased in a heavy moisture-resistant green, 100% recycled paper on the face and back sides. The face paper is folded around the long edges to reinforce and protect the core, and the ends are square-cut and finished smooth. Long edges of panels are beveled for ease of installation.

## BASIC USES

1" Shaftliner panels are designed to be used to construct light-weight fire barriers for cavity shafts and area separation walls in multifamily housing. The panels are key components in the I-Stud Cavity Shaftwall System and the I-Stud and H-Stud Area Separation Wall Systems.

*Note: I-Stud Cavity Shaftwall and H-Stud/I-Stud Area Separation Wall Systems have been tested. Substitution of components not sold or authorized by National Gypsum Company may adversely affect system performance and is not recommended. National Gypsum Company makes no warranties as to any such substituted component.*

## ADVANTAGES

- Lightweight, cost-efficient material.
- Shaftliner is easily cut for quick installation.
- The gypsum core will not support combustion or transmit temperatures greatly in excess of 212°F (100°C) until completely calcined, a slow process.

- Expansion and contraction under normal atmospheric changes are negligible.

## LIMITATIONS

- Exposure to excessive or continuous moisture and extreme temperatures should be avoided.
- To prevent weakening due to calcining, 1" Fire-Shield Shaftliner panels, like any gypsum wallboard, should not be exposed to temperatures over 125°F (52°C) for extended periods of time.
- When installing Shaftliner panels over an insulating blanket, installation continuously across the face of the framing members is not recommended. Blankets should be recessed and flanges attached to the sides of the studs or joists.

## MATERIALS

Manufactured panels with gypsum core, paper-encased.

Contains no asbestos.

1" Fire-Shield Shaftliner,  
I-Studs, J-Track, H-Studs and  
H-Stud Track

## ACCESSORIES

Fasteners; drywall screws or adhesives

- I-Studs
- J-Track
- H-Studs
- H-Stud Track

## SIZES

- Width: 2' (610 mm)
- Length: 7' through 14' (2134–4267 mm)
- Thickness: 1" (25.4 mm)
- Edges: Double-beveled

## APPLICABLE STANDARDS

- ASTM C 442 / C 1396
- Federal specification SS-L-30D Type IV Grade X

## TECHNICAL DATA

### SURFACE BURNING CHARACTERISTICS

- Flame spread: 15
- Smoke developed: 0

### FIRE RESISTANCE RATINGS

Fire resistance ratings represent the results of tests on assemblies made up of materials authorized by National Gypsum in specific configurations. When selecting construction designs to meet certain fire resistance requirements, caution must be used to

ensure that each component of the assembly is the one specified in the test. Further, precaution should be taken that assembly procedures are in accordance with those of the tested assembly. (For copies of specific tests, call 1-800-NATIONAL.)

## INSTALLATION

Installation of 1" Fire-Shield Shaftliner should be consistent with methods described in specific application details for I-Stud Cavity Shaftwall Systems, I-Stud or H-Stud Area Separation Wall Systems or other fire-rated designs shown in National Gypsum Company's *Gypsum Construction Guide*.



Job Name \_\_\_\_\_

Contractor \_\_\_\_\_ Date \_\_\_\_\_

Submittal Approvals: (Stamps or Signatures)