

# GOLD BOND® BRAND FIRE-SHIELD® SHAFTLINER

## MANUFACTURER

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## 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

Shaftliner panels are designed to be used to construct lightweight fire barriers for cavity shaftwalls (1-4 hr), stairwells and area separation fire walls. The panels are key components in the I-Stud, C-T Stud and C-H Stud Cavity Shaftwall Systems and the H-Stud Area Separation Fire Wall System.

## 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.
- UL Classified and approved for inclusion in specific UL fire-rated designs.

## GREENGUARD CERTIFIED

Gold Bond® BRAND Fire-Shield® Shaftliner has achieved GREENGUARD GOLD Certification.



## LIMITATIONS

- Exposure to excessive or continuous moisture and extreme temperatures should be avoided.
- Non-load bearing.
- 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.
- Limiting loads and heights not to exceed design specification.
- Not to be used in an unlined air supply duct.

## COMPOSITION & MATERIALS

Shaftliner is a manufactured panel with a fire-resistive Type X core encased in moisture-resistant paper. Contains no asbestos.

## ACCESSORIES

- Fasteners
- I-Studs
- C-T Studs
- C-H Studs
- J-Track
- H-Studs
- C-Runner

Or

- Approved metal shaftwall and area separation fire wall components
- Drywall beads and trim
- ProForm Ready Mix or ProForm Quick Set/Quick Set Lite Compound
- ProForm Joint Tape

## TECHNICAL DATA

### PHYSICAL PROPERTIES

Thickness, nominal	1" Type X (25.4 mm)
Width, nominal	2' (610 mm)
Length, standard	8' through 12' (2438-3657 mm)*
Weight, lbs./sq.ft., nominal	3.75
Edges	Double Beveled
Surface Burning Characteristics (per ASTM E 84)	Flame Spread: 15 Smoke Developed: 0

### APPLICABLE STANDARDS AND REFERENCES

ASTM C 1396
Federal Specification SS-L-30D Type IV (Grade X)
National Gypsum Company, <i>Gypsum Construction Guide</i>
*Special lengths may be available. Contact your local sales representative for more information.

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

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

Submittal Approvals: (Stamps or Signatures)

## **FIRE RESISTANCE RATINGS**

Fire-Shield Shaftliner is UL classified and approved for inclusion in specific UL fire-rated designs: U347, U497, U498, U499, V451, W414 and W419.

Fire resistance ratings represent the result 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.)

## **UL CORE DESIGNATION**

Fire-Shield Shaftliner: FSW

## **INSTALLATION**

### **RECOMMENDATIONS**

Installation of Fire-Shield Shaftliner should be consistent with methods described in specific application details for Cavity Shaftwall Systems or H-Stud Area Separation Fire Wall Systems or other fire-rated designs.

### **HANDLING PRECAUTIONS**

Always store Shaftliner Gypsum Panels flat on a level surface, and support with properly placed risers. Care should be taken to avoid impact, unwarranted flexing and subsequent damage to board edges, ends and corners.

Appropriate storage and handling is outlined in Gypsum Association GA-801.