

GOLD BOND® BRAND

**e<sup>2</sup>XP® EXTENDED EXPOSURE SHAFTLINER****MANUFACTURER**

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**DESCRIPTION**

e<sup>2</sup>XP Extended Exposure Shaftliner is a moisture and mold resistant shaftliner panel with a fire-resistant type X core. e<sup>2</sup>XP Shaftliner is manufactured with an enhanced moisture and mold resistant core and facers. The facers are composed of a coated fiberglass mat which provides superior weather resistant capabilities. e<sup>2</sup>XP Shaftliner is specially coated on the front, back and edges for easy handling. Long edges of panels are beveled for ease of installation.

**BASIC USES**

1" e<sup>2</sup>XP Shaftliner panels are designed to be used to construct lightweight fire barriers for cavity shaft walls, stairwells and area separation fire walls in multifamily housing. 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 Systems.

**ADVANTAGES**

- Will withstand up to 12 months of exposure to typical weather conditions, subject to the terms, conditions and exclusions of National Gypsum's Limited Warranties.
- Treated fiberglass facer and gypsum core provides extra protection against mold growth per ASTM D3273, achieving a score of 10, the best possible score.

- e<sup>2</sup>XP Shaftliner can be substituted for National Gypsum's Gold Bond BRAND Shaftliners in Cavity Shaftwall, Area Separation Fire Wall Systems and solid laminated partitions.

- Superior water resistance which does not impede vapor transmission.

- Dimensionally stable under changes in temperature and relative humidity and resists warping, rippling, buckling and sagging.

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

- Specially coated on face, back and edges for easy handling.

- Easily scored and snapped to exact size without sawing.

**MOLD AND MILDEW RESISTANCE**

e<sup>2</sup>XP Shaftliner was designed to provide extra protection against mold and mildew compared to standard gypsum board products. No material can be considered "mold-proof," nor is it certain that any material will resist mold or mildew indefinitely. When used in conjunction with good design, handling and construction practices, e<sup>2</sup>XP Shaftliner can

provide increased mold resistance versus standard gypsum board products. As with any building material, avoiding water exposure during handling, storage and installation, and after installation is complete, is the best way to avoid the formation of mold or mildew.

**LIMITATIONS**

- Exposure to excessive or continuous moisture and extreme temperatures should be avoided.

- To prevent weakening due to calcining, e<sup>2</sup>XP Shaftliner panels, like any gypsum wall-board, 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.

- e<sup>2</sup>XP Shaftliner is resistant to weather, but is not intended for immersion in water and should not be subjected to cascading water conditions.

- e<sup>2</sup>XP Shaftliner should be protected from the elements and maintained in reasonable condition prior to installation.

Boards should be stacked flat, supported off the ground and protected from inclement weather. Care should be taken to prevent sagging or damage to edges, ends and surfaces. Following installation, the structure must be adequately maintained by the contractor and/or building owner.

- All design details such as fasteners and sealants, per system specifications, must be properly installed. Failure to do so will void the warranty. (See e<sup>2</sup>XP Shaftliner Warranty for terms, conditions and limitations.)

**COMPOSITION & MATERIALS**

e<sup>2</sup>XP Shaftliner is manufactured with a moisture and mold resistant core and facer. The facer is composed of a coated fiberglass mat which provides superior weather resistant capabilities. e<sup>2</sup>XP Shaftliner has special additives in the fire-resistant type X gypsum core to enhance its fire-resistive properties.

e<sup>2</sup>XP Shaftliner contains no asbestos.

*(Continued next page)*

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

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

Submittal Approvals: (Stamps or Signatures)

## SIZES AND TYPES

<i>Width:</i>	2' (610 mm)
<i>Lengths:</i>	
Standard:	8', 10' and 12' (2438 mm, 3048 mm and 3657 mm)
Custom:	7' through 14' (2134 - 4268 mm)
<i>Thickness:</i>	1" (25.4 mm)
<i>Edges:</i>	Double beveled

## APPLICABLE STANDARDS

ASTM C 1396/C 1658  
ASTM D 3273

## TECHNICAL DATA

### SURFACE BURNING CHARACTERISTICS

Per ASTM E 84

Flame spread:	0
Smoke developed:	0
Non-combustible	

### FIRE RESISTANCE RATINGS

e<sup>2</sup>XP Shaftliner is UL classified and approved for inclusion in specific UL fire-rated designs.

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 should be used to ensure that each component of the assembly is the one specified in the design. Further, precaution should be taken that assembly procedures are in accordance with those of the designed assembly.

### HANDLING PRECAUTIONS

Always store e<sup>2</sup>XP Shaftliner 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.

## INSTALLATION

Installation of e<sup>2</sup>XP Shaftliner panels should be consistent with methods described in specific application details for I-Stud Cavity Shaftwall Systems or H-Stud Area Separation Fire Wall Systems or other fire-rated designs shown in National Gypsum Company's *Gypsum Construction Guide*.