

Shaftliner XP®

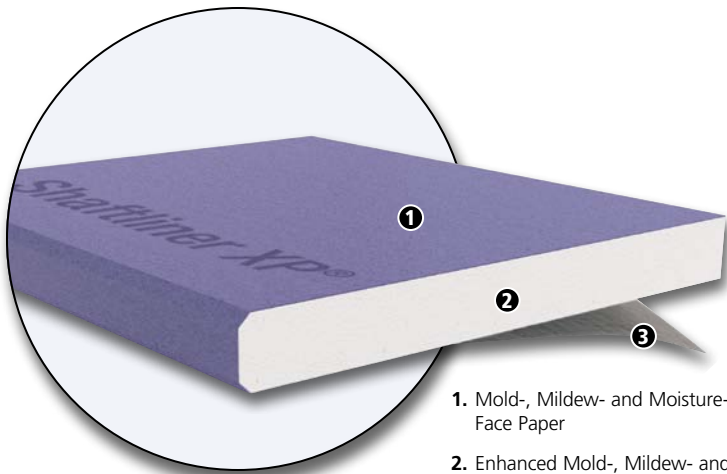
Gypsum Board

PURPLE 
EVOLVE YOUR WALLS™

Gold Bond® BRAND Shaftliner XP® Gypsum Board consists of a mold-, mildew-, moisture- and fire-resistant gypsum core with a specially designed, 100-percent recycled PURPLE® 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 cut square and finished smooth. Long edges are double beveled for ease of installation.

Use it to construct lightweight fire barriers for cavity shaftwalls (1-4 hr.) and area separation fire walls (2 hr.).

Sizes: 1 in. (25.4 mm) thick shaftliner is available in 2 ft. (610 mm) widths and standard lengths of 8 ft. (2,438 mm) to 12 ft. (3,658 mm).



1. Mold-, Mildew- and Moisture-Resistant Face Paper
2. Enhanced Mold-, Mildew- and Moisture-Resistant Type X Core
3. Heavy Mold-, Mildew- and Moisture-Resistant Back Paper



National 
Gypsum®

Basic Uses

APPLICATIONS

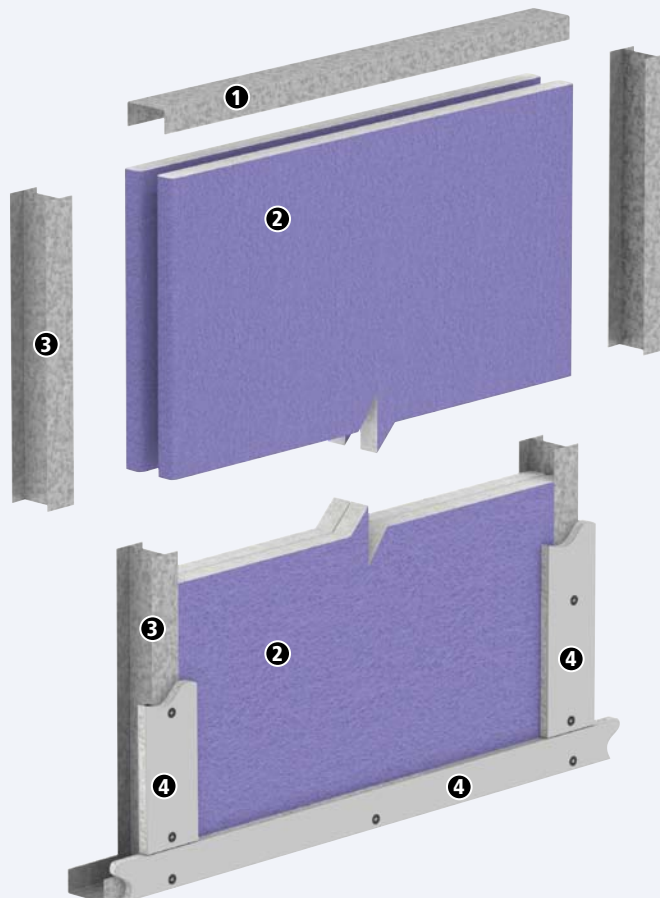
Use it to construct lightweight fire barriers for cavity shaftwalls (1-4 hr.) and area separation fire walls (2 hr.).

ADVANTAGES

- Approved component in specific UL fire-rated designs.
- Resists the growth of mold per ASTM D3273 with a score of 10, the best possible score.
- Resists the growth of mold per ASTM G21 with a score of 0, the best possible score.
- Dimensionally stable product with negligible expansion and contraction under normal atmospheric conditions.
- Cuts easily 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.
- Achieves GREENGUARD and GREENGUARD Gold Certification. GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit: ul.com/gg.
- Qualifies as a low-VOC emitting material by meeting California Specification 01350. For more information, visit: <http://www.calrecycle.ca.gov/greenbuilding/specs/section01350/>.

BASIC COMPONENTS OF AREA SEPARATION WALL

1. 2" C-Track
2. 1" Shaftliner XP®
3. 2" H-Stud
4. 1/2" Fire-Shield® C Gypsum Batten



TECHNICAL DATA

PHYSICAL PROPERTIES	
	Shaftliner XP
Thickness¹, Nominal	1" (25.4 mm)
Width¹, Nominal	2' (610 mm)
Length^{1,4}, Standard	8' – 12' (2,438 mm – 3,658 mm)
Weight, Nominal	3.75 lbs. / sq. ft. (18.31 k/m ²)
Edges¹	Double Beveled
Flexural Strength¹, Perpendicular	≥ 228 lbf. (1,014 N)
Flexural Strength¹, Parallel	≥ 77 lbf. (343 N)
Humidified Deflection¹	N/A
Nail Pull Resistance¹	≥ 87 lbf. (387 N)
Hardness¹ – Core, Edges and Ends	≥ 11 lbf. (49 N)
Thermal Resistance⁵	R = .83
Mold Resistance⁶, ASTM D3273	Score of 10
Mold Resistance⁷, ASTM G21	Score of 0
Product Standard Compliance	ASTM C1396
Fire-Resistance Characteristics	
Core Type	Type X
UL Type Designation	FSW
Combustibility²	Non-combustible Core
Surface Burning Characteristics³	Class A
Flame Spread³	15
Smoke Development³	0
Applicable Standards and References	
ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products	
ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	
ASTM C840 Standard Specification for Application and Finishing of Gypsum Board	
ASTM C1396 Standard Specification for Gypsum Board	
ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber	
ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials	
ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	
ASTM G21 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi	
Gypsum Association, GA-214, <i>Recommended Levels of Finish for Gypsum Board, Glass Mat and Fiber-Reinforced Gypsum Panels</i>	
Gypsum Association, GA-216, <i>Application and Finishing of Gypsum Panel Products</i>	
Gypsum Association, GA-238, <i>Guidelines for Prevention of Mold Growth on Gypsum Board</i>	
National Gypsum Company, <i>NGC Construction Guide</i>	

1. Specified values per ASTM C1396, tested in accordance with ASTM C473.

2. Tested in accordance with ASTM E136.

3. Tested in accordance with ASTM E84.

4. Please consult your local sales representative for all non-standard lengths and widths. Minimum order requirements may apply.

5. Tested in accordance with ASTM C518.

6. Tested in accordance with ASTM D3273.

7. Tested in accordance with ASTM G21.

Installation Recommendations

GENERAL

- Install Shaftliner XP® consistent with methods described in specific application details for National Gypsum Cavity Shaftwall Systems or Area Separation Fire Wall Systems in *NGC Construction Guide*, or with other fire-resistance-rated designs.
- Install fire-rated assemblies in accordance with the details found in the *UL Fire Resistance Directory* or Gypsum Association, GA-600, *Fire Resistance Design Manual*. Maintain adequate ventilation in the working area during installation and curing period.

Limitations

- Avoid exposure to excessive or continuous moisture.
- Avoid exposure to extreme temperatures. Do not use shaftliner where it will be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.
- Do not use shaftliner in an unlined air supply duct.
- Isolate shaftliner from contact with building structure in locations where structural movement may impose direct loads on shaftliner assemblies.
- Do not immerse Shaftliner XP in water and do not subject to cascading water.

For More Information

ARCHITECTURAL SPECIFICATIONS

National Gypsum Company's CSI MasterFormat® 3-part guide specifications are downloadable as editable Microsoft® Word documents at: nationalgypsum.com.

LATEST INFORMATION AND UPDATES

For the latest technical information and updates, call NGC Construction Services: **1-800-NATIONAL (628-4662)** or visit our website: nationalgypsum.com.

