

# GOLD BOND® BRAND eXP® INTERIOR EXTREME® GYPSUM PANEL

## MANUFACTURER

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## DESCRIPTION

Gold Bond® BRAND eXP® Interior Extreme® Gypsum Panel is a moisture and mold resistant gypsum panel designed for interior applications requiring increased resistance to incidental moisture.

It is produced in 1/2" Regular and 5/8" Fire-Shield® Type X or C, 4' wide in standard lengths. eXP Interior Extreme is lightweight, scores and cuts easily and is specially coated on the front, back and sides for easy handling. eXP Interior Extreme is easily identified by the back facer in National Gypsum's original PURPLE® color.

Tapered edges allow joints to be reinforced with ProForm® BRAND Joint Tape and concealed with ProForm® BRAND Ready Mix or ProForm® BRAND Quick Set Setting Compounds.

Gold Bond® BRAND eXP Interior Extreme C Gypsum Panel has a specially formulated core to achieve superior performance when used in specific fire-rated assemblies where the weight and number of wallboard layers are a concern.

### BASIC USES

eXP Interior Extreme can be used in both wood and metal framed construction for interior wall and ceiling finishing while providing increased moisture and mold resistance.

Designed for use on the interior side of exterior walls, where moisture exposure is more likely.

Can be used for pre-rock applications before the building envelope is completely enclosed which may shorten construction cycles.

1/2" Fire-Shield C - For Single- or multi-layer construction in fire-tested assemblies.

5/8" Fire-Shield Type X or C - For single- or multi-layer drywall construction. The specially formulated Type X core achieves superior performance when used in specific assemblies.

### ADVANTAGES

- Manufactured to meet ASTM C 1658 and applicable sections of ASTM C 1396.
- Will withstand up to 12 months of interior exposure to the elements, subject to the terms, conditions and exclusions of National Gypsum's Limited Warranties.
- Resists the growth of mold per ASTM D 3273 with a score of 10, the best possible score.
- GREENGUARD listed as microbial-resistant when tested per ASTM D 6329.
- Coated fiberglass mat on face and back for easy handling.
- 5/8" Fire-Shield eXP Interior Extreme is an approved component in specific UL fire rated designs.
- Single gypsum panel product can be used throughout entire project wherever gypsum board is specified.
- Approved for use in protected exterior soffit applications.
- Less than 5% water absorption per ASTM C 473.
- Non-combustible per ASTM E 136.

### GREENGUARD CERTIFIED

Gold Bond® BRAND eXP® Interior Extreme® has achieved GREENGUARD Gold Certification for indoor air quality.



### LIMITATIONS

- eXP Interior Extreme is intended for interior use or in protected exterior soffit applications.
- Panels are nonstructural and are not a nailing base.
- Do not finish joints until building is properly closed in and conditioned.
- Exposure to excessive or continuous moisture and extreme temperatures should be avoided. Gypsum panels are not recommended where they will be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.
- eXP Interior Extreme should not be used in areas subject to constant and/or excessive moisture and high humidity such as gang showers, saunas, steam rooms or swimming pool enclosures.
- eXP Interior Extreme should not be used as a backer board directly behind tile in tub and shower areas.
- When installing eXP Interior Extreme in horizontal applications, such as ceilings, it should not be installed in pre-rock conditions.

• Panels must be stored off the ground and under cover. Sufficient risers must be used to assure support for the entire length of the gypsum panel to prevent sagging.

• Care should be taken to ensure that the panels are kept dry prior to, and during installation. Adequate care should be taken while transporting, storing, applying and maintaining panels. For additional information, refer to the Gypsum Association publication, "Guidelines for Prevention of Mold Growth on Gypsum Board" (GA-238-03), which is available at [www.gypsum.org](http://www.gypsum.org).

### COMPOSITION & MATERIALS

eXP Interior Extreme is manufactured with a moisture and mold resistant core and facers. The facer is composed of a coated fiberglass mat which provides superior mold and moisture resistance while allowing for easy handling.

5/8" Fire-Shield® eXP Interior Extreme (Type X or C) has special additives in the core to enhance its fire-resistive properties. Contains no asbestos.

### ACCESSORIES

- Fasteners: drywall screws, nails and/or adhesives
- ProForm Fiberglass Mesh Tape
- ProForm Joint Tape
- Cornerbead, casing beads
- ProForm Ready Mix or ProForm Quick Set/Quick Set Lite Setting Compound
- E-Z Strip control joints or .093 zinc control joints

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

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

Submittal Approvals: (Stamps or Signatures)

09 29 00

## TECHNICAL DATA

PHYSICAL PROPERTIES	1/2" eXP Interior Extreme Regular or C	5/8" eXP Interior Extreme Fire-Shield - Type X or C
Thickness, nominal	1/2"	5/8"
Width, standard	4'	4'
Length, standard	8' - 12'	8' - 12'
Weight, lbs./sq.ft., nominal	2.0	2.5
Permeance (perms)	>10	>10
Linear Expansion	$6.25 \times 10^{-6}$	$6.25 \times 10^{-6}$
Coefficiency of Thermal Expansion	$9.26 \times 10^{-6}$	$9.26 \times 10^{-6}$
Flexural Strength, parallel, lbf	≥80	≥100
Flexural Strength, perpendicular, lbf	≥100	≥140
"R" Value (C 518)	0.43	0.50
Noncombustible per ASTM E 136	Yes	Yes
Nail Pull Resistance minimum, lbf	80	90
Hardness core, edges and ends	≥15	≥15
Water Absorption (% of weight) (ASTM C 473)	≤5	≤5
Surface Water Absorption (grams)	≤1.6	≤1.6
Surface Burning Characteristics Flame Spread/Smoke Developed (E 84)	0/0	0/0
Humidified Deflection	2/8"	1/8"
Bending Radius	6'	8'
Resists Growth of Mold	Yes	Yes
Edges	Tapered	Tapered

## APPLICABLE STANDARDS AND REFERENCES

ASTM C 1658	ASTM C 473
Appropriate sections of ASTM C 1396	ASTM C 840*
ASTM D 3273	ASTM D 6329
ASTM E 84	ASTM E 136
ASTM C 518	
Gypsum Association GA-216*	
Gypsum Association GA-214	
Gypsum Association GA-801	
National Gypsum Company, <i>Gypsum Construction Guide</i>	

\*Good building practices should always be followed to minimize adverse moisture exposure. When conditions require installation of board before the building is fully enclosed, the use of eXP Interior Extreme is the best possible solution.

## FIRE RESISTANCE RATINGS

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

1/2" eXP Interior Extreme C: eXP-C  
5/8" eXP Interior Extreme: FSW-6  
5/8" eXP Interior Extreme C: eXP-C

## INSTALLATION

### RECOMMENDATIONS

Install eXP Interior Extreme in accordance with GA-216 "Application and Finishing of Gypsum Panel Products" and ASTM C 840 "Standard Specification for Application and Finishing of Gypsum Board for Non-Fire Rated Construction." In addition, the following recommendations should be followed:

- Installation of the fire-rated assemblies shall be in accordance with the details found in the UL Fire Resistance Directory or Gypsum Association GA-600 Fire Design Manual.
- Fasteners shall be driven just below the surface, avoiding damage to the core and/or facer.
- Unlike paper-faced gypsum board, eXP Interior Extreme can be installed in pre-rock applications, yet water sensitive materials should not be installed adjacent to eXP Interior Extreme until the building is dried in.
- For optimal results when transitioning from eXP Interior Extreme to paper-faced gypsum board, panels should be butted at corners or above drop ceilings.

### FINISHING

The finishing of eXP Interior Extreme panels should be specified and performed in accordance with Gypsum Association Publication GA-214 "Recommended Levels of Gypsum Board Finish." Joints between eXP Interior Extreme panels may be finished with either paper tape and ready mix joint compound or fiberglass mesh tape and setting compound such as ProForm BRAND Interior Finishing Products. For protected exterior soffits, use fiberglass mesh tape and setting compound. In areas to receive final decoration, skim coating of the entire surface is recommended.

In critical lighting conditions or when using gloss, semi-gloss or enamel paints, finish panels to a Level 5 finish as outlined in GA-214.

## DECORATION

For best painting results, all surfaces, including joint compound, should be clean and dust-free. To improve fastener and joint concealment, a coat of a quality drywall primer is recommended to equalize the porosities between surface facer and joint compound.

The level of finish selection and paint required to provide the specified or desired finished characteristics is the responsibility of the architect or contractor.

A gypsum panel that is to have a wallcovering applied should be prepared and primed as described for painting.

**Safety:** The following standard work practices are recommended: Installers should wear long pants and a long-sleeved loose fitting shirt. Protective gloves and special eye protection (goggles or safety glasses with side shield) should be used. A dust mask should be worn when sanding and additional breathing protection may be needed in extremely dusty conditions. Do not use a power saw to cut this product.

**Caution:** Because this product contains fiberglass, dust and glass fibers may be released during normal handling, which could result in eye or skin irritation or cause difficulty in breathing. Whenever possible, avoid contact with the skin and eyes and avoid breathing dust or fibers that may be released during installation. Consult the SDS for this product, available at purplechoice.info before use.

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