

Gold Bond® BRAND e²XP® Extended Exposure Gypsum Sheathing Gold Bond® e²XP® BRAND Fire-Shield® Extended Exposure Gypsum Sheathing National Gypsum Company Drop In Specification Language

(Specifier Note: The purpose of this guide specification language is to assist the specifier in correctly specifying moisture/mold-resistant sheathing products and their installation. The specifier needs to edit these guide specifications to fit the needs of each specific project. Contact National Gypsum Company to assist in appropriate product selections.

*The language provided is not adequate as a complete stand-alone specification section. Recommended section numbers and titles where this information may be included are **Section 06 16 00 - Sheathing; 06 16 43 - Gypsum Sheathing; 09 21 16 - Gypsum Board Assemblies** or **Section 09 29 00 Gypsum Board**. Language that the specifier may elect to include in each of the 3-Parts has been provided. Article numbering is only for navigating this document and language should be incorporated into the appropriate Article heading in the desired section.*

Gold Bond BRAND e²XP® extended exposure gypsum sheathing is designed for exterior walls, soffits and ceilings in a wide variety of applications, including exterior insulation finish systems (EIFS), one coat and conventional stucco systems; as a backup for masonry veneer and wood, vinyl or composite siding products. e²XP® extended exposure gypsum sheathing is also ideal for exterior ceilings and soffits. Extended exposure gypsum sheathing may be left exposed to weather for up to 6 months.

Use Gold Bond BRAND e²XP® Fire-Shield® Extended Exposure Gypsum Sheathing for fire-rated applications; when other conditions require thickness of 5/8 inch.

*Specifier Notes included in (italicized red text) are included to provide assistance in selecting appropriate text for inclusion in a Specification. **[Bold text]** indicates a selection is required. Text in the brackets may not be the only options available, but are recommended or common selections.)*

PART 1 - GENERAL

1.1 PERFORMANCE CRITERIA

(Specifier Note: INCLUDE Fire-Resistance Rating statement when sheathing is to be a component of a rated assembly.)

- A. Wall Assembly Fire-Resistance Rating: **[1-Hour] [1-1/2-Hour] [2-Hour] [3-Hour] [4-Hour]**

1.2 WARRANTY

- A. Manufacturer standard warranty against delamination of facing and degradation of sheet for a period of 12 months from installation of board

PART 2 - PRODUCTS

2.1 MANUFACTURER/PRODUCTS

- A. Gypsum Sheathing

(Specifier Note: Maintain brand name when proprietary specification is acceptable. Use generic term when project must be competitively bid. CONFIRM product requirements and characteristics prior to listing products of other manufacturers.)

1. Basis of Design: National Gypsum Company; Gold Bond® BRAND e²XP® Extended Exposure Gypsum Sheathing

2. Basis of Design: National Gypsum Company; Gold Bond® BRAND e²XP® Fire-Shield® Extended Exposure Gypsum Sheathing

2.2 EXTENDED EXPOSURE GYPSUM SHEATHING

A. Description

(Specifier Note: Regular sheathing is available in 1/2-inch thickness and Fire-Shield® is available in 5/8-inch thickness.)

1. Core: **[Regular gypsum core] [Type X gypsum core]**, with additives to enhance **[fire resistance]**, moisture and mold resistant
2. Facing: Water-resistant glass mat on both face and back surfaces
3. Long Edges: Wrapped with water-repellant glass mat

(Specifier Note: Regular sheathing is available in 1/2-inch thickness and Fire-Shield® is available in 5/8-inch thickness.)

4. Overall thickness: **[1/2] [5/8]** -inch

B. Panel Physical Characteristics

(Specifier Note: 1st options [XX] refer to e²XP® and 2nd options refer to e²XP® Fire-Shield®. When options are not included, both products meet the same criteria.)

1. Panel complies with requirements of both ASTM C 1177/C1177M and C1396/C1396M

(Specifier Note: MAINTAIN classification option when fire-resistance rating is required.)

2. Classification: Type X, when tested in accordance with ASTM E 119
3. Racking Strength - Ultimate: **[617] [711]** lbs/lin ft. when tested in accordance with ASTM E72
4. Flexural Strength - Parallel: **[80] [90]** lbs, when tested in accordance with ASTM C473
5. Humidified Deflection: less than 1/8 inch when tested in accordance with ASTM C473
6. Nail pull resistance: **[80] [90]** lbs, when tested in accordance with ASTM C473
7. Water Absorption: less than 10% when tested in accordance with ASTM C473
8. Surface Water Absorption: less than 1% when tested in accordance with ASTM C473
9. Permeance: greater than 10 perms, when tested in accordance with ASTM E96
10. Combustibility: Noncombustible when tested in accordance with ASTM E136
11. Flame spreads/Smoke Developed: 5/0 when tested in accordance with ASTM E84
12. Mold/Mildew Resistance: 10 when tested in accordance with ASTM D 3273

PART 3 - EXECUTION

3.1 GYPSUM SHEATHING INSTALLATION

A. General

1. Install in accordance with manufacturer recommendations and **[ASTM C1280] [GA-253]**

(Specifier Note: EDIT installation requirements dependent on wall construction assembly. INCORPORATE only specification language that is project specific.)

2. Apply **[Extended Exposure Gypsum Sheathing] [Type X Extended Exposure Gypsum Sheathing] [vertically] [horizontally]** to **[metal] [wood]** framing
3. Stagger end joints on horizontal applications

DISCLAIMER:

National Gypsum Company Guide Specifications have been written as an aid to the professionally qualified specifier and design professional. The use of this information requires the professional judgment and expertise of the qualified specifier and design professional to adapt the information to the specific needs of the building Owner and the project; to coordinate with the design professional's construction document process, and to meet the applicable building codes, regulations and laws. National Gypsum disclaims any warranty, expressed or implied, including the warranty of fitness for a particular purpose of the product for a project.

© 2010 National Gypsum Properties, LLC