National Gypsum
Gold Bond® BRAND

e²XP Extended Exposure Interior Extreme

Substitution Request

Select One:

Project:

Substitution Request Number:

From:

To:

Date:

A/E Project Number:

Owner:

Specification Title:

Description:

Section:

Page:

Article/Paragraph:

Proposed Substitution: Select One: **e² XP Extended Exposure Interior Extreme**

Manufacturer: **National Gypsum Company**

Address: **2001 Rexford Rd., Charlotte, NC 28211** Phone: **1-800-628-4662**

Trade Name: **Gold Bond® BRAND e²XP Extended Exposure Interior Extreme** Model No: Select one:

Installer: Address: Phone:

History: ☒ **New Product**

Differences between proposed substitution and specified product: **Equal product per ASTM C 1658 and applicable sections of ASTM C 1396.**

Reason for not providing specified item: **National Gypsum offering new product into industry/marketplace.**

Similar Installation:

Project:

Architect:

Address:

Owner:

Date Installed:

Proposed substitution affects other parts of Work: ☒ **No**

Supporting Data Attached: ☐ Drawings ☒ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ Other

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.

Submitted by:

Signature:

Firm Name:

Address:

Phone:

Attachments:

A/E's Review and Action:

☐ Substitution approved – Make submittals in accordance with Division 1 Section: Substitutions.
☐ Substitution approved as noted – Make submittals in accordance with Division 1 Section: Substitutions.
☐ Substitution rejected – Use specified materials.
☐ Substitution Request received too late – Use specified materials.

Signed By: Date:

Additional Comments: ☐ **Contractor** ☐ **Subcontractor** ☐ **Supplier** ☐ **Manufacturer** ☐ **A/E** ☐ **Other**

Upon completion return to:

Name:

Address:

Phone:

Fax:

Email:

National Gypsum®

Send Via Email | Print Form

GOLD BOND® BRAND e²XP® INTERIOR EXTREME® GYPSUM PANEL

MANUFACTURER

National Gypsum Company
2001 Rexford Road
Charlotte, NC 28211
(704) 365-7300

Technical Information:
1-800-NATIONAL
(1-800-628-4662)

Fax: 1-800-FAX NGC1
(1-800-329-6421)

Internet Home Page:
nationalgypsum.com
nationalgypsum.com/espanol

Internet Product Page:
www.purplechoice.info

09 29 00/NGC BuyLine: 1100

DESCRIPTION

Gold Bond® BRAND e²XP® Interior Extreme® Gypsum Panel is a moisture and mold resistant gypsum panel designed for interior applications requiring increased resistance to incidental moisture.

e²XP Interior Extreme is manufactured with an enhanced moisture and mold resistant gypsum core and facer. The facer is composed of a coated fiberglass mat which provides superior moisture resistant capabilities. It is produced in 1/2" Regular and 5/8" Fire-Shield® Type X, 4' wide in standard lengths. e²XP Interior Extreme is lightweight, scores and cuts easily and is specially coated on the front, back and sides for easy handling. e²XP 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.

BASIC USES

e²XP 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.

On projects where the owner or specifier has designated fiberglass faced gypsum board exclusively for the interior, the ideal solution is e²XP Interior Extreme.

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.
- Coated fiberglass mat on face and back for easy handling.
- 5/8" Fire-Shield e²XP 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.
- Less than 5% water absorption per ASTM C 473.

GREENGUARD CERTIFIED

e²XP Interior Extreme is GREENGUARD Children & Schools℠ Certified for indoor air quality.

LIMITATIONS

- e²XP Interior Extreme is intended for interior use only.
- 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.
- e²XP 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.
- e²XP Interior Extreme should not be used as a backer board directly behind tile in tub and shower areas.
- When installing e²XP 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 under the "Download Free Gypsum Association Publications" section.

COMPOSITION & MATERIALS

e²XP Interior Extreme is manufactured with a moisture and mold resitant 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® e²XP Interior Extreme (Type X) has special additives in the core to enhance its fire-resistive properties. Contains no asbestos.

(Continued next page)

Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)

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

TECHNICAL DATA

PHYSICAL PROPERTIES	1/2" e²XP Interior Extreme Regular	5/8" e²XP Interior Extreme Fire-Shield - Type X
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	6.25×10^{-6}	6.25×10^{-6}
Coefficiency of Thermal Expansion	9.26×10^{-6}	9.26×10^{-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
Appropriate sections of ASTM C 1396
ASTM C 473
ASTM D 3273
ASTM C 840*
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, *Gypsum Construction Guide*

**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 e²XP Interior Extreme is the best possible solution.*

FIRE RESISTANCE RATINGS

Fire resistance ratings represent the results of tests on assemblies made up of specific materials in specific configuration. 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. For fire safety information, see www.nationalgypsum.com)

UL CORE DESIGNATION

5/8" e²XP Interior Extreme: FSW-6

INSTALLATION

RECOMMENDATIONS

Install e²XP 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, e²XP Interior Extreme can be installed in pre-rock applications, yet water sensitive materials should not be installed adjacent to e²XP Interior Extreme until the building is dried in.
- For optimal results when transitioning from e²XP Interior Extreme to paper-faced gypsum board, panels should be butted at corners or above drop ceilings.

FINISHING

The finishing of e²XP Interior Extreme panels should be specified and performed in accordance with Gypsum Association Publication GA-214 *"Recommended Levels of Gypsum Board Finish."* Joints between e²XP 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. In most 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 MSDS for this product, available at purplechoice.info before use.

National Gypsum®