

# **Gold Bond MR BOARD - MOISTURE RESISTANT GYPSUM BOARD**

## **- MANUFACTURER**

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## **- DESCRIPTION**

MR (Moisture-Resistant) Board is a specially processed gypsum wallboard with the core, face paper and back paper of MR Board treated to withstand the effects of moisture and high humidity. The facing paper is colored light green so as to make it readily distinguishable from regular gypsum wallboard.

## **BASIC USE**

MR Board is designed as a base for ceramic tile and other non-absorbent finish materials in areas where moisture is present such as showers and water closets and areas required by local building codes. MR Board may be extended beyond the area to be tiled. A tapered edge is provided so that joints can be treated in the normal manner.

## **ADVANTAGES**

- Cost effective. MR Board is more economical than cementitious materials.
- Moisture resistant. The special moisture resistant surface is specifically designed to accept tile adhesives while resisting the effects of moisture.

## **LIMITATIONS**

- MR Board is not recommended for use where there will be direct exposure to water or continuous high humidity conditions, such as found in saunas, steam rooms, or gang shower rooms or swimming pool enclosures.
- Not to be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.
- No vapor retarder should be placed behind the MR Board. A vapor retarder can be created on the face of the MR Board by applying a skim coat of tile adhesive or by using silicone grout for tile. By itself, MR Board is not a vapor retarder.
- The MR Board should not be used on exterior ceilings. Gold Bond Soffit Board is recommended for protected exterior ceiling applications.

- The MR Board should not be used on interior ceilings unless extra framing is provided; spacing of framing members should not exceed 12" o.c. for 1/2" MR Board and 16" o.c. for 5/8" MR Board is recommended for interior ceiling applications.

- MR Board must be stored off the ground and under cover. Sufficient risers must be used to assure support for the entire length of the wallboard to prevent sagging.

## **COMPOSITION & MATERIALS**

MR Board is a manufactured panel with a water-resistant gypsum core encased in water-repellent paper. Available with a type X (Fire-Shield) water resistant core. Fire-Shield core gypsum wallboard also contains various aggregates such as fiberglass to enhance the fire resistive qualities. MR Board contains no asbestos.

## **ACCESSORIES**

MR Board does not require any special tapes or edge sealants.

Joint treatment components for use beyond area to be tiled shall be Gold Bond Joint Compound.

Tile adhesive should be water resistant and must meet the requirements of ANSI A136.1-1985, Type 1.

## **SIZES & TYPES**

Width: 4' (1219 mm)

Lengths: 6' through 16' (1829-4877 mm)

Thickness: 1/2" (12.7 mm) Regular and Fire-Shield G

5/8" (15.9 mm) Fire-Shield

## **APPLICABLE STANDARDS**

ASTM C 630

Federal Specification Standard SS-L-30D Type VII

## **- TECHNICAL DATA**

### **SURFACE BURNING CHARACTERISTICS**

(Classification per U.L. procedure R-4784 tested per ASTM E 84)

Flame spread: 15

Smoke developed: 0

### **FIRE RESISTANCE RATINGS**

Fire resistive ratings represent the results of tests on assemblies made up of specific materials in a specific configuration. When selecting construction designs to meet certain fire resistance requirements, caution must be used to insure 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.)

## **SOUND CONTROL**

Sound control details of the basic wall must conform to specifications for the desired ratings with gypsum board extending from floor to ceiling before installation of bathtub or shower receptor. The installation of the MR Board to receive the application of tile around the tub or shower receptor will be in addition to the floor to ceiling base gypsum board.

## **- INSTALLATION**

### **APPLICABLE STANDARDS AND REFERENCES**

ASTM C 840  
Gypsum Association GA-216  
National Gypsum Co. Gypsum Construction Guide

MR Board is applied in the same way as regular gypsum wallboard except that during the installation of the panels, water-resistant tile adhesive is applied to all cut or exposed edges, utility holes and joints, including those at wall intersections.

### **RECOMMENDATIONS**

Installation of MR Board should be consistent with methods described in the standards and references noted and as indicated below.

Preparation: The bathtub or shower receptor is installed before MR Board is applied. If stud spacing is greater than 16" o.c., horizontal blocking or framing should be installed approximately 1" above the edge of the fixture and at MR Board horizontal joints in area to receive tile. Suitable blocking should be provided at all interior corners.

To assure that the tub lip will be in the same plane as the installed MR Board, it may be necessary to apply furring between framing and tub lip. It is essential in any case that a 1/4" gap be maintained between the tub lip or shower base and the lower paper-bound edge of the MR Board.

Framing member should be plumb and true. Place studs (wood or metal) not to exceed 24" o.c.

Procedure: Apply MR Gypsum Wallboard horizontally to the framing using nails or screws spaced not to exceed 8" o.c., driven flush with the gypsum board. During board application, all cut edges should be coated with approved water-resistant adhesive as recommended for tile application. In bath or shower areas, a 1/4" space should be maintained between the lower paper-bound edge of the board and the lip of the tub or shower receptor.

MR Board may be applied to interior ceiling when framing does not exceed 12" o.c., including use as a substrate when ceramic tile or similar materials are to be applied to the ceiling.

Joint treatment and caulking: Using water-resistant tile adhesive, lay a bead of adhesive on the tub or shower receptor flange and caulk all corners, and around all openings prior to tile application. Nail and screw heads should be spotted with water-resistant tile adhesive on surfaces to be covered with tile.

Do not apply joint compound to joints or fasteners to be tiled. This may be waived if the applied tile in combination with the bonding adhesive employed fully protects the gypsum board and water-sensitive materials, if present (such as when joint compound is used), from penetration of water. Responsibility for performance of completed installations should rest with the surfacing material applicator.

All joints beyond the area to be tiled should be treated in a conventional manner using tape and joint compound.

## **DECORATION**

For best painting results, all surfaces, including joint compound, should be clean, dust-free and not glossy. To improve fastener and joint concealment, a coat of quality primer is recommended to equalize the porosities between surface paper and joint compound. Drywall primer is a product specially formulated for this purpose.

The selection of a paint to give the specified or desired finished characteristics is the responsibility of the architect or contractor.

Gypsum Wallboard that is to have a wallcovering applied to it should be prepared and primed as described for painting.

Gypsum Association GA-214, Recommended Specification for Levels of Gypsum Board Finish, should be referred to in order to determine the level of finishing needed to assure a surface properly prepared to accept the desired decoration.