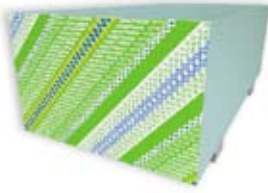


# Sheetrock® Gypsum Panels



## Mold Tough™ AR Regular and Firecode® Core

### Low cost, impact-resistant panels with moisture and mold resistance

- An upgrade to standard drywall
- Indentation resistant
- Impact resistant
- Crack and warp resistant

### Description

SHEETROCK® brand MOLD TOUGH™ AR gypsum panels were designed and tested to offer greater resistance to surface indentation and impact damage than standard SHEETROCK® gypsum panels. These abuse-resistant gypsum panels are a low-cost alternative to other systems for partitions that require greater impact resistance.

SHEETROCK MOLD TOUGH AR gypsum panels have a noncombustible, moisture- and mold-resistant core that is encased in moisture- and mold-resistant, 100 percent recycled green face and brown back papers. The face paper is folded around the long edges to reinforce and protect the core, and the ends are square cut and finished smooth. Long edges of panels are tapered, allowing joints to be reinforced and concealed with a USG joint treatment system.

**5/8" panels with FIRECODE® Core** Recommended for commercial and institutional construction where greater resistance to indentation and impact damage are required, providing a low-cost alternative to other construction methods. This panel is classified by UL as to fire resistance and meets the requirement for Type X in the model building code.

**Note:** For projects requiring superior abuse resistance, specify FIBEROCK® brand VHI (very high impact) abuse-resistant panels.

### Limitations

1. Do not expose to sustained temperatures exceeding 125 °F (52 °C).
2. Do not expose to excessive, repetitive or continuous moisture before, during or after installation. Eliminate sources of moisture immediately.
3. Not suitable for use in high-moisture areas such as tub and shower enclosures, gang showers and other areas subject to direct water exposure.
4. Non-loadbearing.
5. For abuse-resistant construction over steel framing, minimum 20-gauge studs a maximum of 16 inches o.c. are required.
6. Application of SHEETROCK MOLD TOUGH AR gypsum panels over insulating blanket, installed continuously across the framing members is not recommended. Blankets should be recessed and blanket flanges attached to sides of studs or joists.

### Finishing and Decorating

For high-quality finishing results, USG recommends the following products:

- SHEETROCK® brand ready-mixed joint compounds
- SHEETROCK® brand setting-type joint compounds
- SHEETROCK® brand joint tape
- SHEETROCK® brand First Coat primer
- SHEETROCK® brand paperfaced metal drywall bead and trim
- SHEETROCK® brand TUFF-HIDE™ primer-surfacer

Painting products and systems should be used that comply with recommendations and requirements in Appendices of ASTM C840. For priming and decorating with paint, texture or wall covering, follow manufacturer's directions for materials used.

All surfaces, including applied joint compound, must be thoroughly dry, dust-free, and not glossy. Prime with SHEETROCK First Coat primer or with an undiluted, interior latex flat paint with high-solids content. Allow to dry before decorating.

To improve fastener concealment, where gypsum panel walls and ceilings will be subjected to severe artificial or natural side lighting and be decorated with a gloss paint (egg shell, semi-gloss or gloss), the gypsum panel surface should be skim coated with joint compound. This equalizes suction and texture differences between the drywall face paper and the finished joint compound before painting. As an alternative to skim coating, or when a Level 5 finish is required, use TUFF HIDE primer-surfacer.

**Product Data**

**Size:** Panels are 5/8" (15.9 mm) thick x 4' (1218 mm) wide and available in 8'-12' (2438-4267 mm)

**Weight:** 5/8" – 2.8 lbs/sf

**Labeling:** Each 5/8" FIRECODE Core panel bears the Underwriters Laboratories, Inc. mark as evidence of UL Classifications for fire resistance, surface burning characteristics and noncombustibility.

**Test Data**

**Moisture and Mold Resistance**

Per ASTM C473, the average water absorption for panels is not greater than 5 percent by weight after two-hour immersion.

In independent lab tests conducted on 5/8" SHEETROCK MOLD TOUGH AR panels at the time of manufacture per ASTM D3273, "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber," the panel score was 10.

This ASTM lab test may not accurately represent the mold performance of building materials in actual use. Given unsuitable project conditions during storage, installation or after completion, any building material can be overwhelmed by mold. To manage the growth of mold, the best and most cost-effective strategy is to protect building products from water exposure during storage and installation and after completion of the building. This can be accomplished by using good design and construction practices.

**Abuse Resistance**

**Surface abrasion:** Tested in accordance with ASTM C1629. Level 2

**Surface indentation:** Tested in accordance with ASTM C1629. Level 2

**Soft-body impact test:** Tested in accordance with ASTM C1629. Level 1

**Note:** For projects requiring superior abuse resistance, specify FIBEROCK VHI (very high impact) abuse-resistant panels.

**Fire Protection**

5/8" panels are UL Classified. Provide one- and two-hour Fire Ratings when used in accordance with UL designs U420, U442, U445, U451, U465, U466, U467 and U468. The gypsum core meets code requirements for noncombustible construction.

**Compliance**

SHEETROCK MOLD TOUGH AR gypsum panels comply with ASTM C1396.

Per ASTM E136, noncombustible gypsum core.

Per ASTM E84, flame spread is 15; smoke developed is 5.

**Submittal Approvals**

<b>Job Name</b>		
<b>Contractor</b>		<b>Date</b>

**Product Information**

See usg.com for the most up-to-date product information.

**Trademarks**

The following trademarks used herein are owned by United States Gypsum Company or a related company: EASY SAND, FIRECODE, MOLD TOUGH, SHEETROCK, TUFF-HIDE, USG.

**Notice**

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use.

Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

**Safety First!**

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.

