

# SHEETROCK® Brand Gypsum Panels

## Water-Resistant



**Panels for use in commercial and residential interior areas not subject to excessive or continuous moisture**

- An economical moisture-resistant base for adhesive application of tile and plastic-faced wall panels
- Water-resistant face paper, core, and back paper

**Description**

Although SHEETROCK® Brand Gypsum Panels—Water-Resistant, provide a moisture resistant base for adhesive application of ceramic and plastic tile and plastic-faced wall panels, they are not designed for use in high-moisture areas such as tub and shower surrounds. When installed and maintained correctly they help to minimize problems in bathrooms, powder rooms, kitchens, and utility rooms related to incidental moisture exposure.

Panels are manufactured using a 100% recycled green multi-layered face paper treated to resist moisture; a water-resistant gypsum core, and a 100% recycled multi-layered back paper treated to resist moisture. The panels have shallow tapered edges and are available in three types: 1/2" panels are available with a regular core for use in non-fire rated applications, and with a FIRECODE® C Core for use in fire-rated assemblies. 5/8" panels are available with a FIRECODE® or FIRECODE® C Core for use in fire-rated assemblies.

**Limitations**

**General**

1. Do not use in tub or shower surrounds, or other areas subject to constant or excessive moisture. DUROCK® Brand Cement Board or AQUA-TOUGH™ Brand Interior Panels are recommended for these applications (see USG system folder SA932).
2. Do not expose to sustained temperatures exceeding 125 °F (52 °C).
3. Avoid excessive or continuous exposure to moisture during delivery, storage, handling and installation. Eliminate sources of moisture immediately.
4. Use adhesive (mastic) materials to apply tile. Do not use mortar-type materials.
5. When applied on ceiling, framing must be 12" o.c. maximum for 1/2" thick panels and 16" o.c. maximum for 5/8" thick panels.
6. When used as a base for tile, fasten panels through to framing (wood or steel).
7. Single-layer application on resilient channels is not recommended where tile is to be applied.
8. Panels to receive tile or other surfacing acting as a vapor retarder should not be installed over a vapor retarder.
9. On wall applications, maintain a gap of 1/4" to 1/2" inch between the bottom edges or ends of the panels and the floors, or any other horizontal surface where water could accumulate.

**Product & Test Data**

The test results listed below ensure that products will perform as intended when designed, specified, installed and maintained according to our printed recommendations.

**Compliance**

SHEETROCK Brand Gypsum Panels—Water-Resistant comply with ASTM 630, C1396.  
Per ASTM E136, gypsum core UL-classified.  
Per ASTM E84, UL Classified as to surface burning characteristics, flame spread is 20; smoke developed is 0.

**Water Resistance**

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

Size and Weight (approximate)	Core Type	Thickness		Width		Weight	
		in.	mm	ft.	mm	lb./1000 ft. <sup>2</sup>	kg/100 m <sup>2</sup>
	Regular	1/2	12.7	4	1200	1,960	960
	FIRECODE	5/8	15.9	4	1200	2,200	1,070
	FIRECODE C	1/2	12.7	4	1200	2,100	1,120
		5/8	15.9	4	1200	2,400	1,170

Panels are available in 8-14' (2438-4267 mm) lengths.

Flexural Strength	1/2" panel	5/8" panel	ASTM Test Method
Parallel	36 lbf	46 lbf	C473
Perpendicular	107 lbf	147 lbf	C473
R Value	0.65	0.65	C518

**Labeling** SHEETROCK Brand Gypsum Panels Water-Resistant with a FIRECODE or FIRECODE C Core carry an Underwriters Laboratories, Inc. label certifying classifications for core noncombustibility, surface burning characteristics and use in fire-resistant assemblies.

**Submittal Approvals:**

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

**Additional Information**

This document is intended as a product submittal only. For complete information regarding SHEETROCK Brand Gypsum Panels, please refer to the following literature:

- *The Gypsum Construction Handbook*
- Gypsum Products Catalog (SA927)

**Trademarks**

The following trademarks used herein are owned by United States Gypsum Company: AQUA-TOUGH, DUROCK, FIRECODE, SHEETROCK.

**Note**

Products described here may not be available in all geographic markets. Consult your U.S. Gypsum Company sales office or representative for information.

**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.

**Warning**

Store all SHEETROCK Brand Gypsum Panels flat. Panels are heavy and can fall over causing serious injury or death. Do not move unless authorized.

**Safety First!**

Follow good safety and industrial hygiene practices during handling and installing all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

