

Manufacturer

Georgia-Pacific Gypsum
 133 Peachtree Street
 Atlanta, GA 30303

Technical Service Hotline: 1-800-225-6119

Description

DensShield® Tile Backer is a substrate that, when properly installed, provides significant water and moisture resistance — making it excellent for protecting both tile installations and stud cavities. DensShield Tile Backer is composed of a water-resistant treated core that is covered front and back with fiberglass mats. On the tile side, DensShield Tile Backer's built-in coating on the surface stops surface water and retards moisture transmission, protecting the wall cavity.

Unlike cementitious backer boards, DensShield Tile Backer has a built-in moisture barrier. DensShield Tile Backer is 12 lbs (5.4 kg) to 32 lbs (15 kg) lighter per 4' x 8' (1220 mm x 2438 mm) panel, depending on manufacturer, than cement board, which makes installation easier. DensShield Tile Backer provides excellent dimensional stability and strength so it can be installed parallel or at right angles to framing in wall and ceiling applications.

DensShield Tile Backer, with its fiberglass mat design, has been tested by a third party, as manufactured, in accordance with ASTM D3273 and has scored the highest achievable rating (10 out of 10) for mold resistance. DensShield Tile Backer has UL Environmental claim validation for mold resistance (UL 2824). DensShield Tile Backer has been shown to be excellent for tile and non-tile installations in wet and non-wet applications, in areas of high humidity, and in appropriate fire-rated wall assemblies. It is ideal for interior walls, ceilings, residential and light commercial floors and countertop applications in high moisture areas such as baths, showers, kitchens, laundries, swimming pool areas and locker rooms.

The score of 10, in the ASTM D3273 test, indicates no mold growth in a 4-week controlled laboratory test. The mold resistance of any building product when used in actual job site conditions may not produce the same results as were achieved in the controlled, laboratory setting. No material can be considered mold proof. When properly used with good design, handling and construction practices, Dens® Brand gypsum products provide increased mold resistance compared to standard paper-faced wallboard. For more information, go to www.buildgp.com/safetyinfo.

Primary Uses

DensShield Tile Backer provides an excellent backer for sidewalls and ceilings in bathtub and shower installations, where it provides an even, solid substrate for tile. DensShield Tile Backer may also be finished with paint or wallpaper for non-tile areas that require superior fire and moisture resistance where its moisture barrier and water-repelling qualities are desirable.

1/4" (6.4 mm) and 1/2" (12.7 mm) x 4' (1220 mm) wide DensShield Tile Backer can be used as a substrate in floor tile applications for residential and light commercial use as defined in the *Handbook for Ceramic Tile Installation* published by the Tile Council of North America.

Limitations

- Tiles should be applied on the grey coated side of DensShield Tile Backer.
- DensShield Tile Backer should not be used in commercial saunas, steam rooms, around fireplaces or areas where prolonged exposure to heat exceeds 125° F (52° C).
- DensShield Tile Backer panels should not be used as a shower pan base or in shower floors and curbs.
- DensShield Tile Backer should not be used for exterior installations.
- DensShield Tile Backer panels should not be used as a base for nailing and mechanical fastening.
- DensShield Tile Backer should not be used in conjunction with passive solar heat systems.

For floors, use floor grade tile, 2" x 2" (51 mm x 51 mm) or larger.

Use framing or furring when applying over concrete or masonry block.

Adhesives alone should not be used to install DensShield Tile Backer. In floor applications, adhesives and fasteners must be used. In wall applications, fasteners must be used.

Since DensShield Tile Backer has a built-in moisture barrier; never install vapor retarders directly behind DensShield Tile Backer panels. In retrofit applications, some paints or other wall coverings may constitute a vapor barrier; remove or effectively penetrate these coverings prior to installing DensShield Tile Backer panels.

Technical Data

When tested in conformance with ASTM E96, DensShield Tile Backer panels achieved a perm rating of less than 1.5 (42.9 ng/Pa • s • m²) alone, 1.0 (28.6) with dry set mortars.

In a test by a third party testing laboratory, DensShield Tile Backer was subjected to a shower of water at 110° F (43.3° C), 12 minutes per hour, 24 hours a day, 7 days a week for six months. The installation had no grout between the tiles. No deterioration occurred to either the DensShield Tile Backer board, the framing members or the wall cavity.

5/8" (15.9 mm) DensShield® Fireguard® Tile Backer is UL and ULC classified as Type DS and included in numerous assembly designs listed by UL and ULC for hourly fire resistance ratings.

5/8" (15.9 mm) DensShield Fireguard Tile Backer is classified as "Type X" in accordance with ASTM C1178 and may replace Type X gypsum board specified in generic rated wall assemblies listed in the Gypsum Association Fire Reference and Sound Control Design Manual, Publication GA-600.

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Submittal Approvals

Job Name _____

Contractor _____

Date _____

DensShield® Tile Backer has passed the Robinson Floor Test/ASTM C627 in both 1/4" (6.4 mm) and 1/2" x 4' (12.7 mm x 1220 mm) wide thicknesses with a rating of residential and light commercial.

Handling and Use—CAUTION

WARNING: Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Do not breathe dust. Do not get this material in contact with eyes. Do not taste or swallow. Avoid prolonged exposure. Observe good industrial hygiene practices. Use only in well-ventilated areas. Wear appropriate NIOSH/MSHA approved dust mask or filtering facepiece if dust is generated. Do not eat or drink while using the product. Wash hands before eating, drinking, or smoking.

Safety Data Sheet (SDS) is available at www.buildgp.com/safetyinfo.

Sizes and Edges

Thickness	Width x Length
1/4" (6.4 mm)	4' x 4' (1220 mm x 1220 mm)
1/2" (12.7 mm)	32" x 5' (813 mm x 1524 mm) 4' x 5' (1220 mm x 1524 mm) 4' x 8' (1220 mm x 2438 mm)
5/8" (15.9 mm)	4' x 8' (1220 mm x 2438 mm)

Edges: Square

Manufactured to meet ASTM C1178 Fiberglass Mat Water-Resistant Gypsum Backing Panel



U.S.A. GP Gypsum LLC
 Canada Georgia-Pacific Canada LP

SALES INFORMATION AND ORDER PLACEMENT

U.S.A. Northeast: **1-800-947-4497**
 Southeast: **1-800-327-2344**
 Pacific Southwest: **1-800-824-7503**
 Pacific Northwest: **1-800-444-0092**
 Midwest: **1-800-876-4746**
 Central: **1-800-231-6060**

CANADA Eastern Canada: **1-800-387-6823**
 Western Canada: **1-800-558-0092**

DENSDECK **1-855-647-3325**

TECHNICAL INFORMATION

U.S.A. and Canada: **1-800-225-6119**, www.gpgypsum.com



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UPDATES AND CURRENT INFORMATION The information in this document may change without notice. Visit our website at www.gpgypsum.com for updates and current information.

CAUTION For product fire, safety and use information, go to www.buildgp.com/safetyinfo or call 1-800-225-6119.

FIRE SAFETY CAUTION Passing a fire test in a controlled laboratory setting and/or certifying or labeling a product as having a one-hour, two-hour, or any other fire resistance or protection rating and, therefore, as acceptable for use in certain fire rated assemblies/systems, does not mean that either a particular assembly/system incorporating the product, or any given piece of the product itself, will necessarily provide one-hour fire resistance, two-hour fire resistance, or any other specified fire resistance or protection in an actual fire. In the event of an actual fire, you should immediately take any and all actions necessary for your safety and the safety of others without regard for any fire rating of any product or assembly/system.