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**STOP MOISTURE FROM THE INSIDE OUT**



- Two-Sided Protection**  
Fiberglass mesh on front and back increases strength and resists moisture and mold resistance
- Water-Resistant Coats**  
A treated, water-resistant polymer coat with antimicrobial benefits
- Special Surface Coating**  
Built-in coating protects tile against water infiltration and wall cavity from moisture intrusion and damage

**WHERE YOUR BACKER BELONGS**

Superior bonding power.  
Built to fight moisture and humidity.

|   |   |
|---|---|
|  | KITCHEN<br>• Kitchen<br>• Laundry<br>• Pantry                 |
|  | BATHROOM<br>• Shower and Bathtub<br>• Laundry                 |
|  | FLOORING<br>• Residential Floors<br>• Light Commercial Floors |

**For more information on DensShield® Tile Backer visit [DensShield.com](#).**

**MOISTURE HITS A WALL**  
WITH  
**DensShield®  
Tile Backer**

Before you lay tile in moisture-prone areas, consider DensShield® Tile Backer, the first backer board featuring a built-in moisture barrier.

**densshield.com**  
**DensShield**  
THE BACKER



Dens™ Brand Products Safety Information

By following the guidance below, installation of Dens™ Brand products can be easier and safer. For detailed safety information, we recommend all users of Dens Brand products read the Material Safety Data Sheet (MSDS) located at [on our website](#). This overview is not intended to replace the careful reading of the MSDS before using a Dens Brand Product.

## Dress Property

Dens Brand products are manufactured with fiberglass facings. The handling of fiberglass facings can irritate the skin. Additionally, handling and installation of Dens Brand products may produce dust which can irritate eyes, nose, throat, skin and upper respiratory tract. Therefore we recommend the following be worn when using Dens Brand products:

- OSHA approved safety glasses
  - Work gloves
  - NIOSH approved dust mask or respirator
  - Loose-fitting long sleeved shirt
  - Long pants.

#### **Maintain a Clean and Safe Work Area**

**Maintaining a Clean and Safe Work Area**

Maintaining a proper work area is essential to the safe handling and installation of Dens Brand products.

- Keep area clear of children, pets or unnecessary persons
  - Store boards flat on the floor to prevent the product from sliding or falling
  - Always provide supports for board when working overhead
  - Maintain adequate ventilation in the work area. If it is not possible to maintain adequate ventilation and the work area becomes dusty, the use of a NIOSH approved respirator and safety goggles is recommended.
  - Keep work areas free of scrap material to minimize dust and prevent tripping hazards
  - Use a vacuum to clean work area; do not use blowers or compressed air for clean-up.

## **Important Safety Information**

- If dust or fibers are deposited in the eyes, do not rub the eyes. Flush the eyes with water or an eyewash solution. If the irritation persists, consult a physician.
  - If fiberglass fibers accumulate on the skin, do not rub or scratch. Fibers can be removed from the skin by applying and then removing adhesive tape so that the fibers are removed from the skin by the tape. Never use compressed air to remove fibers from the skin.

## **Product Information**

For detailed product information on the Dens Brand family of fiberglass-faced gypsum products, visit [www.gypgypsum.com](http://www.gypgypsum.com).

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How to install densshield backer board. Can densshield be used on the floor. Installing tile on densshield. Install densshield

The board can be installed parallel or perpendicular to the frame for wall and ceiling applications. The Robinson floor test (ASTM C 627) is designed to determine how <sup>3</sup> a set of tiles is maintained in extreme conditions of wear and weight. DS005LATEX PORTLAND CEMENT MORTER BY ANSI A118.4 Tiles Densshield Beet Base Base Minimum 589 O.C. \* 349 OSB is acceptable. CieloPounters ResidentialCountertopsplywood must be installed planes and levels. IMPORTANT: For residential applications, use a 29 x 29 or larger floor-grade tile. DS004DENSSHIELD ADJUSTMENT ADJUSTMENT ADJUSTMENT OR BLUE LEAVES FLEXIBLE MAULK STRAIGHT AT 189min. The microbial resistance test is based on ASTM D 6329-98, a test standard established by ASTM International, which develops the guidelines and test procedures for the construction <sup>3</sup> materials, products, systems and services. To use Densshield Tile Backer6 REASONS 4 5 6221Excellent substrates for Floors, walls and contralotopsbuilt in the moisture barrier stop moisture in the surface-resistant, when manufactured, according to the scores of ASTM D 3273 and fit easily to a utility blade areñdar46% faster to the installation <sup>3</sup> the warranty limited blue Cement BoardNahb and a limited GarantÃa of 20 aÃ±os when used in commercial applications \*. \* See the warranty for complete terms, conditions and limitations. Visit our website at [www.densshield.com](http://www.densshield.com) for complete Densshield information or call 1-800-225-6119 for <sup>3</sup> product warranty information .Primary WithingSHIELD BALETE BEACKER is excellent for tile and non-tile installations in wet and non-wet applications, in Hig H Humidity areas and <sup>3</sup> n-burned assemblies.

DESSHIELD consists of a core of patented and waterproof that covers the front and back covered with figure mats. Installation Instructions <sup>3</sup> 2009 Georgia-Pacific Gypsum LLC. Adjust the ends and edges carefully. Note: the shower or rubber membrane strip must be properly inclined to stop the Open drainage or crying hole details to allow proper water drainage. Densshield should not be used in conjunction with passive solar heat systems or in heated flooring systems that are consistently along 120 F. Space length1129 69 O.C. along Framing1149114969 O.C. along structure 89 O.C. In both directions 29 O.C. at edges / 49 O.C. In Field114 9Loors1149Materials Required panelsDensshield come in a variety of sizes for walls and ceilings, use thickness of type X 129 or 589 for countertops and floors, use 149 or 129 thicknesses No additional moisture barrier required 29 Fiberglass mesh tape Portland cement mortar from Latex Portland or Mastic type i (only 149) 789Note: For walls, fasteners must penetrate at least 349 frames of wood. Wooden/Shower or TEILDUAL WALLS OR TEILDURSIONS OR DENSSHIELD ARRANGEMENTS DESSHIELD ARTICULAR DENSSHIELD PANEL DEEP ADJUSTMENT. (Densshield should not be used on shower curbs. Densshield can be cut by dialing and clicking or cutting, working from the side of the gray face. See the table of bra guide on the previous page. Embed with the Portland cement mortar from Latex. Leave a gap of 189 between Densshield and the string. Densshield panels can be installed in the shower tray if part of an approved system. Wood separation <sup>3</sup> not less than 20 calibers of meter framing andFugue when necessary (for other exchanges) DS001DENSSHIPH LOW ADJUSTMENT TAPE DENSSHIPH MESH ADJUSTMENT MEASTER OR thin fins Flexible Tiles Sealant / Talk BaÃ±era of wood or Maximum Metal Framing Metal Shower formed PanLeave A gap of 189 between Densshield and the cover of the barÃ±y Completely the space between the tiles and the bath with a flexible / caulk sealer. Penetrations of caulking or seal and pillars to dissimilar materials. QUILE SEALER / CALCHBATHTUB or shower receiverAply DESSHIELD mix and articulte from Denssshield Horah Hora or vertically on the walls, as shown in DS001. 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SITIVAC DUTS DNA SNOITALLATSNI ELIT HTOB GNITCETORP ROF TNELLECXE TI GNIKAM, ERUTSIOM RO RETAW YB DETCEFFANU YLLAUTRIV SI, DELLATSNI YLREPORG NEHW, TAHT E tartsbus a si dleihSsneD .)6.811A ISNA( tuorg roolf tnemec dnaltrop xetal esU .sbruc rewohs ni desu eb ot ton si dleihSsneD .reirrab erutsiom lanoitidda esu ton oD .542235# metI .CLL muspyG cificaP-aigroeG 9002Â©A snoitcurtsnI noitallatsnI2 egaPf dna )pu edis yerg( esab ot rekcaB eliT dleihSsneD yrd ,naelc etanimaL .knisretnuoc ton oD .stnijo revo epat hsem ssalgrebif 01 x 01 92 ylppA knisretnuoc ton od ecafrus eht htiw hsulf srenetsaf evirD snoitcerid htob ni .co 98 naht retaerg on srenetsaf ecapS spu-pop lian tneverp ot noitcurtsnoc wen no stsioj roolf otni gnilian diovA )5 egap no trahC ediuG renetsaF ees( roolbus ot slenap dleihSsneD netsaF stnijo roolbus revo stnijo dleihSsneD reggatS rehtegot ylhgit slenap dleihSsneD ttuB )emit nepo deecxe ton od( tnailp llits elihw ratrom Otni DleiHSSNED DEBME .SAERA ERUTSIOM HGIH NI SNOITACILPPA ROOLF LAICREMMOK THGIL DNA LAITNEDISER DNA SPOTRETNUC, SGNILIEC, SLLAW ELIT ROF LAEDI SI TI Floor Manufacturer ChartApplication Fastenerized Nail Buglehead, oxide resistant, coarse thread, Buglehead knit screw, <sup>3</sup> pointed oxide Buglehead galvanized roof screw screw, oxide-resistant, coarse thread, 1 49 crown sharp knit screw, Staplesmin crown-resistant. Densshield<sup>13</sup> face-side installation is an exclusive heat-cured acrylic coating that stops moisture on the surface and delays the transmission<sup>3</sup> protects the wall cavity and floor substrate from intrusion<sup>3</sup> moisture. Densshield can also be finished with paint or wallpaper for tiles-free areas that require superior resistance to fire and moisture. Densshield is the first and only tile sponsor to be listed as a microbial resistant GreenGuard product by a third-party <sup>3</sup> organization, GreenGuard Environmental Institute. Dramatically surpasses other tiles. Installation <sup>3</sup>. GuÃa de initiation de installaciÃ n ... Densshield panels can be installed on the starboard if part of an approved system). DS002tiles DS002tiles densshield densshield backer flexible sealer / tilted mortar calcilla of the rubber membrane slope Weeping stone. & Light CommercialResIndesIDIdensidential & Light Commercial PLOALSE1 GUIDE TO DEFAMATION WOMAN SAMPLING POSSIBLE549 and 29 DENSSHIELD ADJUSTMENT The backrest can be used as a tile substrate in floor tile applications for residential and light commercial use, as defined in the Manual for the installation <sup>3</sup> ceramic tiles, published by the North Tile Council AmÃ©.1 Minimum Joist Spacing169 OC The beams 19.29 O.C. Engineer woodÃa 249 O.C. flowood sturd-i-sturdwood \* 89 sturd-i-floor plywood \* 89 APA rated sturd-i-Floor5 7Lamine Densshield panels, side coated towards To the opponent using a latex portland cement mortar applied generously with a notches of 149 square square palette. palette.

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