

UltraLight Foam Tile Backerboard

Installation Guide



USG Durock™ Brand UltraLight Foam Tile Backerboard

For more than 30 years, USG Durock® Brand has set the standard for proven performance in the backerboard category. Now this great product family has its newest member, USG Durock™ UltraLight Foam Tile Backerboard, the lightest, highest performing foam tile backerboard in the industry.

USG Durock™ UltraLight Foam Tile Backerboard continues the brand's tradition of quality, reliability and performance.

Benefits include:

- Lightweight, waterproof and vapor retardant
- Rugged facer on extruded foam core
- Fastens without washers
- Cuts easily with utility knife and dust free
- Suitable for continuous-use steam shower
- Ideal for use with USG Durock™ Brand Shower System components
- 10-year, Limited Warranty

Requirements

Floors

1/4" thickness

Subfloor should be minimum 23/32" APA Span-Rate Plywood or OSB with an Exposure 1 classification or better. Maximum stud spacing: 16" o.c. Maximum allowable deflection, based on stud properties only, L/360. Maximum fastener spacing: 8" o.c. for wood and steel framing.

Countertops

1-1/2", 2" thickness

Adhere directly to base cabinets with USG Durock Brand Sealant.

Walls

1/2" and 5/8" thickness

Maximum stud spacing: 16" o.c. Maximum allowable deflection, based on stud properties only, L/360. Maximum fastener spacing: 8" o.c. for wood and steel framing.

What you'll need

Cutting

USG Durock™ UltraLight Foam

Tile Backerboard panels should

be cut to size by scoring both

sides and snapping using a utility

knife and straight edge.



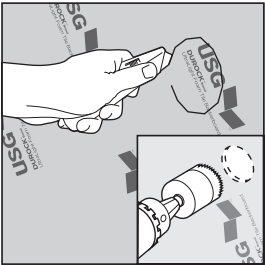
To make cutouts for pipes and

fixtures, use a utility knife to cut

through facers on both sides and

remove foam core . Or, use an

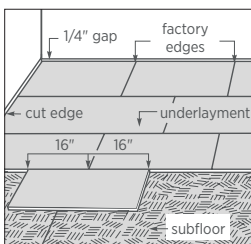
electric drill with a hole-saw bit.



Floor Installation 1/4"

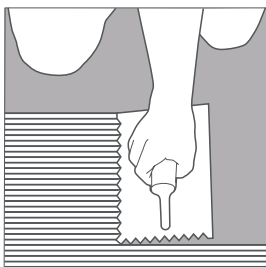
Positioning

Fit ends and edges of panels closely but not forced together, maintaining 1/4" space between panels and perimeter walls. Stagger joints a minimum 16" so that four corners never meet. Offset panel joints a minimum 8" from subfloor joints.



Leveling Bed

Laminate USG Durock™ UltraLight Foam Tile Backerboard to subfloor using unmodified thin-set mortar. Apply mortar with 1/4" X 3/8" square or U-notched trowel. Comb out mortar in straight, parallel rows (as shown below) and immediately cover with panel. Adhere panels to subfloor, one panel at a time.



Fastening

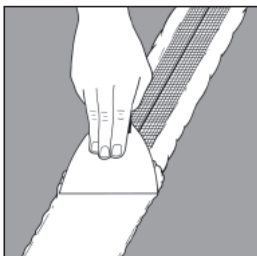
Secure panels before mortar skins over. Fasten to subfloor with 1-1/4" USG Durock™ Brand Tile Backer Screws for wood framing (or equivalent) or 1-1/2" hot-dipped galvanized roofing

nails spaced 8" o.c. in both directions with perimeter fasteners at least 3/8" and less than 5/8" from ends and edges. Drive nails and screws so tops of heads are flush with panel surface to ensure firm panel contact with subfloor. Do not overdrive fasteners.

Joining/Waterproofing

Finish joints with USG Durock™ Brand Waterproofing Membrane Band (5" wide) adhered with unmodified thin-set mortar and treat fastener penetrations with USG Durock™ Brand Sealant. Apply only enough sealant to sufficiently cover the fastener head and then strike flush using a margin trowel or similar.

For applications not requiring waterproofing, pre-fill joints with unmodified thin-set mortar and then immediately embed USG Durock™ Brand Tile Backer Tape and level joints. Do not use USG Durock™ Tile Backer Tape for waterproofing or steam room applications.



Finishing

Ceramic or natural stone tile. Use unmodified thin-set mortar to set tiles.

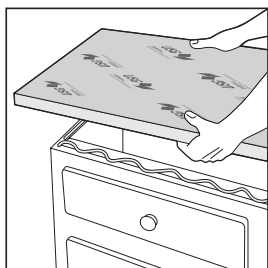
Countertop Installation 1-1/2", 2"

Positioning

Fit ends and edges of panels together.

Fastening

USG Durock™ UltraLight Foam Tile Backerboard is adhered directly to base cabinets using USG Durock™ Brand Sealant.



Joining

All panel sections must be adjoined and sealed using USG Durock™ Brand Sealant or unmodified thinset mortar and USG Durock™ Brand Tile Backer Tape. If waterproofing is desired finish joints with USG Durock™ Brand Waterproofing Membrane Band (5" wide) adhered with unmodified thin-set mortar and treat fastener penetrations with USG Durock™ Brand Sealant.

Finishing

Use unmodified thin set mortar to set tiles.

Wall Installation 1/2", 5/8"

Wood framing: USG Durock™

Tile Backer Screws for wood framing (or equivalent), 1-1/4" and 1-5/8" for wood framing; nails 1-1/2" hot-dipped galvanized roofing nails.

Steel framing: USG Durock™

Tile Backer Screws for steel framing (or equivalent), 1-1/4" and 1-5/8" for 14- to 20-gauge steel framing.

2" thick board, fasten with 2-1/2", 3" and 3-1/2" (respectively) corrosion resistant wafer-head screws with a minimum head diameter of 3/8" (10 mm).

Fastening

Minimum panel thickness for studs spaced at 16" o.c. is 1/2". Fasten USG Durock™ UltraLight Foam Tile Backerboard panels to framing with USG Durock™ Brand Tile Backer Screws. Drive fasteners into field of panels first, working toward ends and edges. Hold panels in firm contact with framing while driving fasteners. Space fasteners maximum 8" o.c. for walls, with perimeter fasteners at least 3/8" and less than 5/8" from ends and edges. Drive nails and screws so tops of heads are flush with panel surface to ensure firm panel contact with framing. Do not overdrive fasteners.

Joining/Waterproofing

Finish joints with USG Durock™ Brand Waterproofing Membrane Band (5" wide) adhered with unmodified thin-set mortar and treat fastener penetrations with

USG Durock™ Brand Sealant. Apply only enough sealant to sufficiently cover the fastener head and then strike flush using a margin trowel or similar.

For applications not requiring waterproofing, pre-fill joints with unmodified thin-set mortar and then immediately embed USG Durock™ Brand Tile Backer Tape and level joints. Do not use USG Durock™ Tile

Backer Tape for waterproofing or steam room applications.

Finishing

Ceramic or natural stone tile.

Use unmodified thin-set mortar to set tiles.

Shower Installation

See *Shower System Installation Guide* CB598.

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Product Information

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

Safety First!

Follow good safety and industrial hygiene practices during handling and installation of 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.

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