

SA932 09 30 00.11/UNI

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BuyLine 3900

Tile backerboards, mortars,
mastics, grouts and accessories
that work together flawlessly.



Tiling Installation Systems



Components

This comprehensive system solution includes substrates, tile membrane, mortars, mastics, grouts and accessories that work together flawlessly to ensure the integrity of every installation.

Tile Backerboards

This flat, durable base for premium finishes is suitable for glass and ceramic mosaics, ceramic and quarry tile, lugged tile, and thin stone and brick. It does not deteriorate in the presence of water, and because it is mold- and moisture-resistant, it is extremely durable in areas such as baths, kitchens and laundry rooms. 30-year warranty for interior applications.

DUROCK® brand cement board

A uniquely engineered gypsum/cellulose-fiber backerboard that offers superior performance and tile bond because of its integral water-resistant core. Suitable for ceramic tile wall and tub surround applications in intermittently wet and dry areas.

FIBEROCK® brand AQUA-TOUGH™ tile backerboard

Underlayments

An ideal substrate for floor and countertop ceramic tile installations, this 5/16" underlayment can be applied directly over old floor substrates and countertops to save time. It exceeds tile industry standards for tile shear and for resistance to bacteria and fungus growth.

DUROCK® brand underlayment

Engineered to meet water-, mold- and indentation-resistance needs under resilient flooring, ceramic tile, carpeting, hardwood flooring, and laminate flooring, this all-purpose underlayment has a uniform, water-resistant composition that helps prevent the problems typically associated with plywood, oriented strand board (OSB) and lauan underlayments.

FIBEROCK® brand AQUA-TOUGH™ underlayment

Mortars

Superior durability for interior or exterior applications. A family of products that can handle all tile absorption rates and a variety of tiling conditions.

DUROCK™ latex-modified fast-set high-performance mortar

DUROCK™ latex-modified medium-set high performance mortar

DUROCK™ latex-modified multi-purpose mortar

Flexible Mortar

A durable flexible mortar with good freeze/thaw stability that can withstand deflection up to 1/360. Excellent for interior or exterior applications with ceramic, porcelain, granite, slate, marble and limestone.

DUROCK™ latex-modified flexible thin-set high performance mortar

Tile Mastics

These convenient, ready-mixed mastics provide a range of water resistance and bond strengths to fit your needs.

DUROCK™ high-performance tile mastic

DUROCK™ multi-purpose tile mastic

DUROCK™ commercial grade tile mastic

Tile Grouts

These grouts are perfect for all types of ceramic tile, ceramic mosaics, porcelain, slate, granite, cultured marble, and many other types of tile in interior and exterior, vertical and horizontal applications.

DUROCK™ latex-fortified sanded tile grout

DUROCK™ latex-fortified unsanded tile grout

Floor Protector Paper

This strong, heavy duty, durable paper made from 100% recycled materials is excellent for covering finished floors or making templates.

FIBEROCK™ floor protector paper

Tile Membrane

This lightweight membrane provides superior tile bond while protecting water-sensitive substrates. More convenient and less expensive than other membrane products because it is easy to carry, easy to cut and easy to install.

DUROCK™ flexible backer

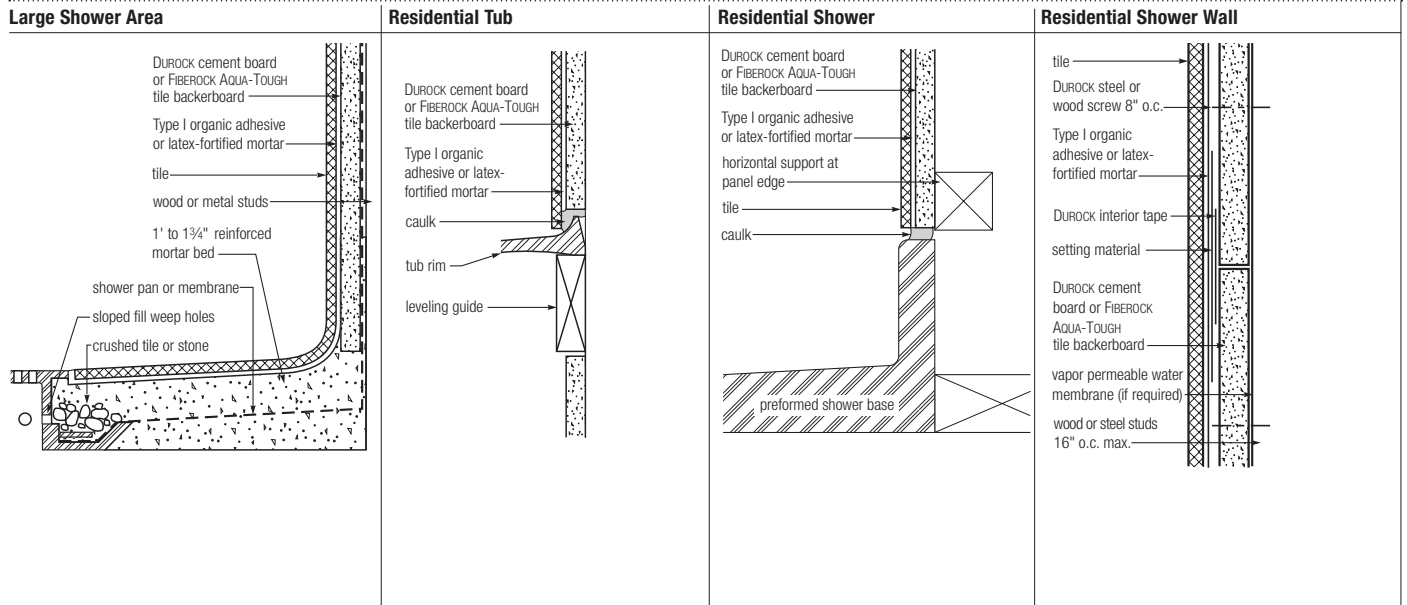
Joint Reinforcement Tapes

Alkali-resistant glass-fiber tapes especially designed to reinforce the joints and corners of DUROCK cement board, FIBEROCK underlayment and FIBEROCK tile backerboard.

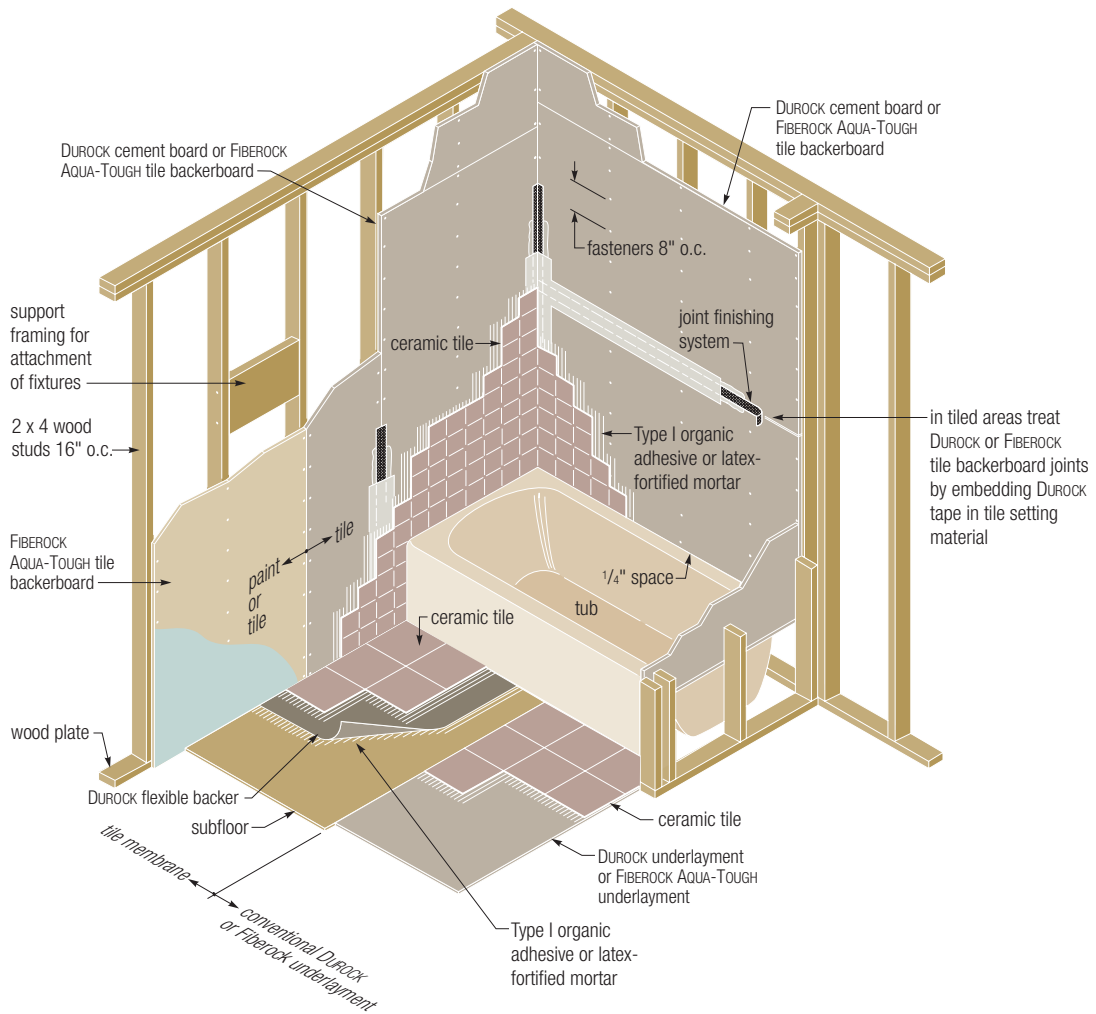
DUROCK™ interior and exterior tapes

Details

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Typical Bathtub Installation



Visit www.usg.com for appropriate fasteners and joint finishing system.

Tiling Installation Systems

Testing Results

ASTM D3273^a

A "0" rating on D3273 means excessive mold growth on wall or ceiling panel surfaces, while a "10" rating indicates that no mold grew on the panel. This grade is determined by inspecting the panel with a microscope and comparing the findings with standardized photographs of allowable growth for each score level. With this stringent method, a panel may not receive the top "10" rating even if mold growth is invisible to the naked eye.

FIBEROCK AQUA-TOUGH tile backerboard	10
FIBEROCK AQUA-TOUGH underlayment	10
DUROCK cement board	10
DUROCK underlayment	10

Typical Physical Properties

Property Test	ASTM	DUROCK Cement Board	DUROCK Underlayment	FIBEROCK AQUA-TOUGH Tile Backerboard	FIBEROCK AQUA-TOUGH Underlayment	
		1/2"	5/16"	1/2"	1/4"	3/8"
Weight (psf)	C473-00	3	2	2.6	2.6	2.9
Surface burning characteristics (flame/smoke)	E84	0/0	NA	5/0	5/0	5/0
Thermal "R"/k value ^b	C177	0.26/1.92	0.16/1.92	0.41/1.214	0.3	0.4
Min. bending radius ^c (ft.)	C473-00	8	—	25	30	30
Edge		square	square	square	square	square

Interior Application

	Function	Finish	Water Barrier Required	Product
Interior floor	Intermittent wet underlayment	Ceramic tile		FIBEROCK AQUA-TOUGH underlayment/ DUROCK underlayment
	Wet	Ceramic tile	•	DUROCK underlayment/DUROCK cement board
Interior wall	Intermittent wet cavity	Ceramic tile		FIBEROCK AQUA-TOUGH tile backerboard
	Wet	Ceramic tile	• ^e	DUROCK cement board
Kitchens	Paint or tile			FIBEROCK AQUA-TOUGH interior panel
	Countertops	Ceramic tile	•	DUROCK cement board/ FIBEROCK AQUA-TOUGH tile backerboard
Bathrooms	Walls	Paint or tile		FIBEROCK AQUA-TOUGH interior panel
Steam rooms or saunas ^d	Walls	Ceramic tile	•	DUROCK cement board
Swimming pool rooms ^d	Walls or ceilings	Ceramic tile/ext. finish	•	DUROCK cement board

Notes

(a) The numbers obtained with this test method cannot predict how long a building material would be free of mold growth after installation. (b) Where $K = \text{Btu} - \text{in./hr.} - ^\circ\text{F} - \text{sq. ft.}$ and $R = \text{hr.} - ^\circ\text{F} - \text{sq. ft./Btu.}$ (c) Requires special framing. Details available on request. For AQUA-TOUGH panels, bending two 1/4" pieces successively permits radii shown for 1/4" gypsum board. (d) Dew Point Analysis and Vapor Retarder Analysis required. (e) DUROCK Cement Board is vapor permeable and does not deteriorate in the presence of water. For interior applications, if a vapor retarder or waterproof construction is specified, a separate barrier must be applied over or behind the DUROCK Cement Board. For exterior applications, see SA700, *Exterior System Substrates*.

Website

www.usg.com

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Customer Service

800 950.3839

Metric Specifications

USG Corporation, through its operating subsidiaries, will provide metric conversions on its products and systems to help specifiers match metric design sizes. In addition, some products are available in metric dimensions from selected manufacturing plants. Refer to SA100 *Fire-Resistant Assemblies* for additional information and a Table of Metric Equivalents.

Trademarks

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Note

All products described here may not be available in all geographic markets. Consult your local sales office or representative for 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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