

CGC
Tile &
Flooring
Solutions

USG DUROCK® Brand
Cement Board

CGC DUROCK® BRAND CEMENT BOARD INSTALLATION GUIDE

cgcinc.com

TOOLS AND MATERIALS

Drill and bits (including hole-saw bits), CGC Durock® Brand Tape (alkali-resistant glass fiber tape), hammer, tape measure, dust mask/safety glasses, gloves, scoring tool, T-square, utility knife, CGC Durock® Brand Wood Screws or hot-dipped galvanized roofing nails and wood rasp.

CEMENT BOARD INSTALLATION

Walls and Ceilings

CGC Durock® Brand Cement Board is smooth on one side for adhesive applications, textured on the other for thin-set mortar applications.

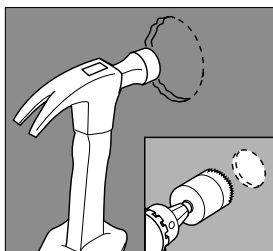
Cutting

To cut CGC Durock Cement Board, measure the desired size on the board and mark on the front and back with a pencil. Score with a utility knife, cut through the glass-fiber mesh then snap the board to size. Smooth edges with wood rasp. Wear a dust mask and eye protection. Cutting with a circular saw equipped with a dust collector and a carbide-tipped blade is an alternative.



Cutouts

To make cutouts for fixtures, outline area with a utility knife, cut through the mesh on both sides and punch out with a hammer from the back side. Alternatively, mark location and drill hole using the appropriate size hole-saw bit and drill. Smooth edges with rasp.



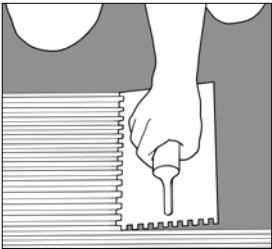
Attachments

Place a 6 mm (1/4") spacer strip or shim above the lip of the tub or shower pan to hold bottom edge of cement board off the lip. Fasten board to wood studs spaced at 406 mm (16") o.c.¹ with 32 mm (1-1/4") CGC Durock Wood Screws or 38 mm (1-1/2") hot-dipped galvanized roofing nails spaced 203 mm (8") o.c. for walls, 152 mm (6") o.c. for ceilings, using with the same spacing. (For steel stud² applications, use 32 mm (1-1/4") CGC Durock® Brand Steel Screws).



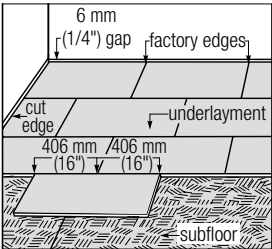
1. O.C.: On centre or the spacing between the centrelines of two structural members or fasteners.
2. Steel studs must be minimum 0.9 mm (20 ga.) thick.

Floors



Lamination

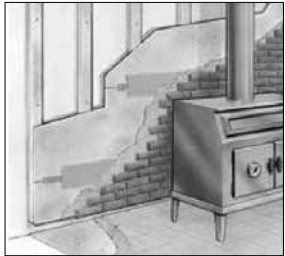
Laminate 12.7 mm (1/2") CGC Durock Cement Board to minimum 16 mm (5/8") thick exterior-grade plywood/OSB using adhesive or mortar suitable for bonding cement backer board to plywood. Apply adhesive with 16 mm (5/8") V-notched trowel or mortar with 6 mm (1/4") square-notched trowel. Laminate and secure one panel at a time. Cover the adhesive with the board immediately.



Fasteners

Place panels with joints staggered from subfloor joints. Fit ends and edges closely but not forced together. Fasten panels to subfloor while the adhesive is wet with 32 mm (1-1/4") CGC Durock Wood Screws or 38 mm (1-1/2") hot-dipped galvanized roofing nails spaced 203 mm (8") o.c.

in both directions. When 16 mm (5/8") CGC Durock Cement Board is used in underlayment applications, follow the same procedure as for 12.7 mm (1/2") CGC Durock Cement Board.



Wall Shields

Cut 1/2 CGC Durock Cement Board to panel and furring strip sizes with carbide-tip scoring tool. Smooth rough edges with wood rasp. Fasten furring strips to framing with 38 mm (1-1/2") hot-dipped galvanized roofing nails spaced 203 mm (8") o.c. Fasten wall shield through furring to framing with 70 mm (2-3/4") nails 203 mm (8") o.c. Maintain 19 mm (3/4") minimum framing penetration for both furring and shield. Avoid exposure to sustained temperatures exceeding 93°C (200°F). Please refer to www.cgcinc.com for heat shield installation guide.

JOINT TREATMENT

Walls, Ceilings, Floors and Countertops

Prefill all joints, as well as outside corners of countertops, with latex-fortified mortar or Type 1 organic adhesive and then immediately embed CGC Durock Tape and level joints. Use CGC Durock Tape for strongest joints and the best bond.



Discover a Better CGC Durock® Brand Cement Board

Strong, durable and resistant to water damage, CGC Durock® Cement Board is ideal for use in partitions, walls, floors and ceilings in residential construction and can be used as a heat shield.



Water, Mould and Moisture-Resistant

CGC Durock Cement Board does not deteriorate in the presence of water making it highly durable in high moisture areas found in baths, showers and kitchens.



Finishing Flexibility

CGC Durock Cement Board surfaces are designed for tile setting materials with a smooth side for mastic applications and a rough side for mortar applications.



Superior Strength and Durability

CGC Durock Cement Board's high compressive strength offers damage and impact resistance while maintaining dimensional stability and does not delaminate.



Fire Resistance

CGC Durock Cement Board is a non-combustible panel and meets CAN/ULC S114 and ASTM E136.



Warranty

30-year limited warranty.

cgcinc.com

CGC Inc.
350 Burnhamthorpe Rd. W., 5th Floor
Mississauga, ON L5B 3J1

Customer Service : 1.800.387.2690



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