

MR-MANUFACTURER

DUROCK® Cement Board Systems are manufactured by United States Gypsum Company, a leader in construction materials and building systems for 90 years.

PP-PRODUCT PRESENTATION

DUROCK Cement Board

DUROCK Cement Board is the multi-purpose building panel. Available in two types: DUROCK Interior Cement Board, which offers architects, builders and tile contractors a strong, water-damage resistant tile base for tub and shower areas. DUROCK Exterior Cement Board provides a superior base for USG Exterior Textured Finish, thin-brick, ceramic tile, exposed aggregate and EIFS.

The 1/2" thick DUROCK Cement Boards are classified by Underwriters Laboratories, Inc., for use with UL-listed solid-fuel room heaters and fireplace stoves. Used as a wall shield, board reduces by two-thirds the manufacturer-specified clearance (minimum 12") between room heater or stove and combustible wall surface. Board may also be used as a floor protector in place of one layer of 3/8" thick millboard.

DUROCK Cement Board is formed in a continuous process of aggregated portland cement slurry and reinforced with polymer-coated, glass-fiber mesh embedded in both surfaces. Standard interior boards are produced to 1/2" thickness, cut to size and cured. Ends are square cut and edges are reinforced and formed smooth. Smooth wrapped edge is patented -- No. 4,916,004.

DUROCK Underlayment

In addition to standard 1/2" DUROCK Cement Board, new DUROCK Underlayment is now available for floors and counter tops. Its nominal 5/16" thickness helps eliminate transition trim when abutting carpet or wood flooring and helps minimize level variations with other finish materials. Its 4'x4' size is easy to handle and helps cut down on waste. Applies directly over old substrate on counter tops to save time.

Features

High Performance -- DUROCK Cement Board possesses the flexural and compressive strength, hardness and impact resistance needed for a tile base.

Smooth or Textured -- Board is smooth on one side for mastic applications, textured on other side for mortar applications. Textured surface enhances bonding and reduces tile slip.

Dimensionally Stable -- Board is rigid and exhibits excellent water-damage resistance properties as a permanent tile base. It will not swell, soften, decay, delaminate or disintegrate.

Fire-Resistant -- Assemblies with 1/2" DUROCK Cement Board have achieved 1- and 2-hr. fire-resistance ratings. Surface burning characteristics for DUROCK Cement Board: flame spread 5, smoke developed 0.

Lighter Weight -- At approximately 3 psf, the 1/2" thick board weighs only one-fourth the weight of a 1" thick metal lath and cement plaster bed.

Easy Installation -- DUROCK Cement Board is easy to cut and fasten with DUROCK Screws or galvanized roofing nails. Simple dry panel application eliminates cement mixing and drying time, shortening job schedules and lowering in-place cost.

Sound Control -- Sound isolation ratings up to 65 STC are offered with steel-framed partitions.

Convenient Sizes -- DUROCK Cement Board may be ordered in sizes to meet job requirements. A 5/8" thickness, custom lengths from 32" to 96", and 32", 36" or 48" widths are available.

UA-USES, APPLICATIONS

These products may be used for walls and ceilings, floors, soffits, counter tops/backsplashes, UL-listed wall shields/floor protectors, fireplace fronts and hearth extensions, fences, chimneys, garage wainscoting, mobile home skirting, dentils and quoins, and animal/farm enclosures.

AI-ASSEMBLY, INSTALLATION

Board is readily applied over wood or min. 20-ga. steel framing spaced 16" o.c. with DUROCK Wood or Steel Screws or galvanized roofing nails.

MF-MATERIALS, FINISHES

After joints are treated, ceramic wall or floor tile are applied using latex fortified mortar or Type I organic adhesive.

CS-COATINGS, SURFACING

DUROCK Interior Cement Board provides a smooth, sound base for glass and ceramic mosaics; ceramic and quarry tile; lugged tile; DUROCK Exterior Finish; thin stone tile and thin brick. DUROCK Exterior Cement Board provides a suitable base for USG Exterior Textured Finish, thin-brick, ceramic tile, exposed aggregate and EIFS.

TS-TECHNICAL SUPPORT

For further information on specifications, design criteria and product performance, order catalog *SA-932 DUROCK Cement Board Systems* by calling toll-free 1-800-USG-4YOU (874-4968).

CC-CODES, CERTIFICATION

DUROCK Interior Cement Board exceeds the ANSI Standards for cementitious backer units. See ANSI A118.9-1990 for Test Methods and Specifications for CBU and ANSI 108.11-1990 for Interior Installation of CBU.

For building code data see National Evaluation Service Report Nos. 259 and 396 for allowable values and/or conditions of use concerning material presented in this document. These reports are subject to reexamination, revisions and possible changes.

Typical Physical Properties for 1/2" DUROCK Cement Board

- Flexural strength per ASTM C947 is 750 psi.
- Indentation strength per ASTM Test D2394 is 2300 psi 1" dia. disc @ 0.02"

indent.

- Nail pull resistance per ASTM C473 is 125 lbs.
- Weight per ASTM C473 is 3 psf.
- Surface burning characteristics per ASTM E84 are flame spread 5, smoke developed 0.
- Thermal values per ASTM C177 are "R"=0.26 and 1.92 k.
- Standard method for evaluating ceramic floor tile installation systems per ASTM C627 is residential.

OM-OPERATION, MAINTENANCE

Contact local U.S. Gypsum Company Sales Office with any questions about maintenance and replacement recommendations.