



Product Information

D-60™ Medium-Set Premium Latex-Modified Mortar

Product Description:

DURABOND®D-60™ Medium-Set is a Premium Latex-Modified Medium-Set mortar used for interior or exterior installations to set all large sized ceramic, porcelain, granite, slate, marble, limestone, and dimension stone tiles. Use over properly prepared concrete; structurally-sound, exterior grade plywood (interior/dry use only); cementitious backer board; DURABOND D-200™; and existing, well-bonded vinyl/VCT or ceramic tile. D-60 Medium-Set mortar may also be used as a leveling bed to compensate for uneven tile and stone thickness; smooth irregular or uneven substrates; or to minimize lippage.

Product Benefits:

- Extremely Tacky Consistency
- Extremely Durable
- Single-Component Latex-Modified (water-add only)
- Exceeds ANSI A118.4 and A118.11 Requirements
- Freeze/Thaw Stable
- For all Tile Absorption Rates (from porcelain to saltillo)
- For Interior and Exterior Installations
- Where a Setting Bed of 1/8"-3/4" is Desired

Directions for Use:

Read and understand data sheet completely before beginning installation. Follow applicable ANSI, NTCA, and TCA installation standards.

Surface Preparation:

Surface must be clean, dry and smooth; free of voids, projections, loose materials, oil, grease, sealers, curing compounds, waxes and all other surface contaminants that may inhibit proper bond.

Mixing:

Using a slow speed mixer (< 150 rpm), mix 5 to 6 quarts of clean, potable water to 50 pounds of D-60 Medium-Set mortar. Mix to creamy consistency. Allow mixture to stand 15 minutes, and re-mix prior to application. Do not re-temper by adding more water. Mix with water only.

TYPICAL PHYSICAL PROPERTIES

•Open Time (@ 70°F)	>70 Minutes
•Adjustability Time:	40 Minutes
•Pot Life (@ 70°F)	1-2 Hours
•Initial Set (@ 70°F)	8-10 Hours
•Final Set (@ 70°F)	10-15 Hours
Exceeds ANSI A118.4 and A118.11 requirements	
Shear Strength, 7 Days	
Ceramic Mosaic Tile	315 psi (ANSI REQ 200)
Quarry to Wood*	250 psi (ANSI REQ 150)
Shear Strength, 28 Days	
Ceramic Mosaic Tile	623 psi (ANSI REQ 200)
Glazed Wall Tile	557 psi (ANSI REQ 300)
Quarry to Wood*	300 psi (ANSI REQ 150)
* Wood failure (wood typically fails between 250 to 300 psi)	

Application:

Apply a thin coat of D-60 Medium-Set mortar with the flat edge of trowel to achieve a good mechanical bond to the substrate. Comb additional mortar with the appropriate size notched trowel. If any evidence of skinning or setting occurs, re-comb mortar with notched trowel.

Apply mortar to an area no greater than can be tiled in 20 to 30 minutes. Apply tile using a twisting motion into a fresh bed of mortar to ensure maximum contact and bond. Periodically check back of tile to ensure proper transfer (interior applications-minimum 80% coverage; exterior, wet, or plywood applications-minimum 95% coverage). A finished mortar bed thickness of 1/8" to 3/4" is desired.

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Application Over Plywood:

Maximum joist spacing shall be 16" on center. Plywood shall be Underlayment Exterior Grade or C-C Plugged Exterior Grade plywood (or better).

If the existing floor is less than 1" thick, glue and nail 15/32" or 1/2" APA Underlayment Exterior Grade or C-C Plugged Exterior Grade plywood to the floor. Glue and nail using 5D or 6D (1 1/2" or 2") cement coated screw shank nails 6" on center along the panel edges and a maximum of 8" on center each way throughout the panel. Allow 1/8" gap between underlayment sheet edges and all areas that abut walls, drains, posts, etc., these areas shall be filled with mortar when tiles are installed.

Clean and rough sand the plywood. Due to the limitations of plywood as a substrate, D-60 Medium-Set mortar is not intended for use on plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.

Application over Existing vinyl/MCT :

Vinyl must be clean and well-bonded to substrate. Do not install over cushion-backed or perimeter bonded sheet vinyl. Remove any loose pieces of vinyl or flooring. Ensure the exposed substrate is suitable for application.

Application over Existing Ceramic Tile:

Tile must be clean and well bonded to the substrate. Mechanical abrasion with Carborundum disk followed by a clear water wash is required. Installation must be thoroughly rinsed and dry before setting.

Clean-Up:

Clean all tools and equipment with soap and water. Do not allow material to dry on surface of tile.

Curing:

Keep all foot traffic off the installation until tile is firmly set (approximately 12 hours). Set times are dependent upon temperature and humidity.

Limitations:

- Do not use for installing moisture sensitive stones (i.e. green marble).
- Do not use in installations where deflection exceeds L/360 (1" in 30 feet).
- Follow the Marble Institute of America deflection limitations for natural stone tile.
- Do not apply over oriented strand board, particle board, masonite, luaun, or similar unstable substrates.
- Do not use where hydrostatic pressure can occur.
- Due to the limitations of plywood as a substrate, D-60 Medium-Set mortar is not intended for use on plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.

Packaging:

D-60 is packaged in 50 lb (22.7 kg) bags. 50 bags per pallet. Available in white and gray formulations.

PLANT LOCATIONS

TEMECULA, CA 92590

CONYERS, GA 30207

TWINSBURG, OH 44087

PAULSBORO, NJ 08066

February 2002; Supersedes all previously published literature.

SUGGESTED TROWELS & COVERAGE FOR MAXIMUM PERFORMANCE

Trowel size is suggested to maximize transfer/coverage of mortar. Periodically check coverage during installation. Uneven substrate may require the use of either a leveling/patching material, or larger notched trowel for proper coverage of mortar.

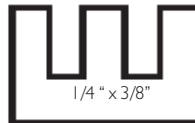
Ceramic mosaics
Mounted ceramics
Coverage 85-100 sq. ft.



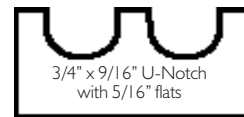
4" x 4" & 4" x 8"
Ceramic & pavers
Coverage 70-80 sq. ft.



6" x 6", 8" x 8" & 12" x 12"
Ceramic Quarry tile
Coverage 50-60 sq. ft.



12" x 12" or larger
Ceramic, Porcelain or Stone Tile
Avg. 30-35 sq. ft. per 50 lbs.



LIMITED WARRANTY

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