


Product Information



DURABOND®



Formerly
Floor Grade
Thin-Set

D-2™ Floor Grade Mortar

Product Description:

DURABOND® D-2™ Floor Grade Mortar is for interior or exterior installations to set all types of 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.

Product Benefits:

- Exceeds ANSI A118.1 when mixed with water
- Exceeds A118.4 and A118.11 when mixed with either DURABOND D-L16™ High Strength Additive or DURABOND D-L36™ Flexible Mortar Additive
- Extremely durable
- For interior and exterior installations
- For residential to heavy commercial applications

Directions for Use:

Read and understand data sheet completely before beginning installation. Follow applicable TCA, NTCA and ANSI 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, or 6 to 7 quarts of Durabond D-L16 High Strength Additive or D-L36 Flexible Mortar Additive, to 50 pounds of D-2 Floor Grade Mortar. Mix to creamy consistency. Allow mixture to stand 15 minutes, and re-mix prior to application. Do not re-temper by adding more liquid.

NOTE: For installations over plywood, sheet vinyl/VCT, D-200, exterior applications, or when setting porcelain tile, D-2 Floor Grade Mortar MUST be mixed with undiluted Durabond D-L16 High Strength or D-L36 Flexible Mortar Additive.

TYPICAL PHYSICAL PROPERTIES

Open Time (@ 70° F)	>20 Minutes
Adjustability Time:	20 Minutes
Pot Life (@ 70 degrees F)	30 Minutes
Initial Set (@ 70 degrees F)	60 Minutes
Final Set (@ 70 degrees F)	1.5 Hours

Exceeds ANSI A118.1, ANSI A118.4 and A118.11 requirements

SHEAR STRENGTHS (psi)	7 DAY	28 DAY
Glazed Wall Tile	430 psi	550 psi
Ceramic Mosaic Tile	400 psi	450 psi
Quarry Tile	300 psi	350 psi
Glazed To Wood*	150 psi	250 psi
Quarry To Wood*	200 psi	250 psi
WATER IMMERSION SHEAR STRENGTHS (psi)	ANSI REQ.	
Glazed Wall Tile	260 psi	200 psi
Ceramic Mosaic Tile	250 psi	150 psi
Quarry Tile	200 psi	No requirement

* Mix With D-L16

Application:

Apply a thin coat of D-2 Floor Grade 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 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 3/32" minimum is required.

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), or C-C Plugged Exterior Grade plywood to floor. 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 floor. (cont.)

D33

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. Due to the limitations of plywood as a substrate, D-2 Floor Grade Mortar is not intended for use on plywood in exterior, wet interior, or applications subject to commercial traffic.

Application over Vinyl/VCT Flooring:

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.

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.

Grouting:

Depending on ambient, slab, and material temperatures, grouting can generally begin after 12 hours with any quality Durabond grouting system. Allow 48 hours before grouting with a 100% solids epoxy grout.

Storage/Shelf Life:

Store in a clean, dry area not affected by freezing or hot temperatures. Shelf life is one year from date of manufacturing in unopened bags.

Packaging:

DURABOND D-2 Floor Grade Mortar is available in 50 lb. bags. Available in white and gray formulations. For the name of a distributor nearest you, contact Customer Service at 1-888-592-8558.

Limitations:

- Do not use for installing moisture sensitive stones (i.e. green marble).
- If deflection exceeds L/360 (1" in 30 feet) but is no more than L/240, mix with D-L36 Flexible Mortar Additive.
- Natural stone such as marble, limestone & travertine may not tolerate deflection in excess of L/720. Refer to the Marble Institute of America Design Manual for details on specific types of stone.
- Do not apply over oriented strand board (OSB), particleboard, Masonite, luan or similar unstable substrates.
- Do not use where hydrostatic pressure can occur.
- Due to the limitations of plywood as a substrate, D-2 Floor Grade Mortar is not intended for use on plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.
- For installations over plywood, sheet vinyl/VCT, D-200, exterior applications, or when setting porcelain tile, D-2 Floor Grade Mortar must be mixed with undiluted Durabond D-L16 High Strength or D-L36 Flexible Mortar Additive.

PLANT LOCATIONS

TEMECULA, CA 92590

CONYERS, GA 30207

TWINSBURG, OH 44087

PAULSBORO, NJ 08066

www.bostikfindley-us.com

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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 leveling/patching material, or larger notched trowel for proper coverage of mortar.

Ceramic Mosaics
Mounted Ceramics
Coverage 85-100 sq. ft.



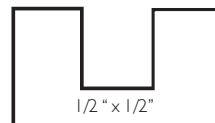
4" x 4" & 4" x 8"
Ceramic & pavers
Coverage 70-80 sq. ft.



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



8" x 8" & 12" x 12"
Lugged back & Mexican paver tile
Coverage 35-40 sq. ft.



LIMITED WARRANTY

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