



# Product Information

## D-40 DURAFLEX Multi-Purpose Latex-Modified Mortar

### **Product Description:**

DURABOND® D-40 DURAFLEX™ Multi-Purpose Latex-Modified Mortar is for interior or exterior installations to set all ceramic, porcelain, granite, slate, marble, limestone, and dimension stone tile over properly prepared concrete, structurally sound, exterior grade plywood (interior/dry use only); cementitious backer board; approved membranes; and existing, well bonded vinyl/VCT or ceramic tile.

### **Product Benefits:**

- Extremely Flexible (deflection up to L/360)
- Extremely Durable
- Single-Component Latex-Modified
- Exceeds ANSI 118.4 & 118.11 Requirements
- Freeze/Thaw Stable
- For All Tile Absorption Rates
- For Interior and Exterior Installations
- For Vertical and Horizontal Installations

### **Surface Preparations:**

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.

### **Directions for Use:**

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

### **Mixing Instructions:**

Using a slow speed mixer (< 150 rpm), mix 5 to 5 1/2 quarts of clean potable water to 50 pounds of D-40 DURAFLEX. Mix to creamy consistency. Allow mixture to stand 15 minutes, and re-mix prior to application. Do not re-temper by adding more liquid.

### **Application:**

Apply a thin coat of D-40 DURAFLEX 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" to 1/8" 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). 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. 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-40 DURAFLEX is not intended for use on plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.

### Application over existing vinyl/VCT flooring:

Vinyl must be clean, free from sealers or waxes 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 substrate. Mechanical abrasion with a Carborundum disk followed by a clear water wash is recommended. Installation must be thoroughly rinsed and dry before setting the new 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 100% solids epoxy grout.

### **Clean-Up:**

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

### **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).
- 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-40 DURAFLEX is not intended for use on plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.

### **PLANT LOCATIONS**

TEMECULA, CA 92590

CONYERS, GA 30207

TWINSBURG, OH 44087

PAULSBORO, NJ 08066

Technical Service: 800-523-6530

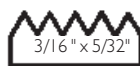
[www.bostikfindley-us.com](http://www.bostikfindley-us.com)

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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.



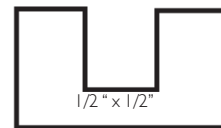
4" x 4" & 4" x 8"  
Ceramic & Pavers  
Coverage 70-80 sq. ft.



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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