



## DRiBOND™

### Advanced Dry Mudset for Concrete Overlays

#### UPDATE

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**April 26, 2023**

Make sure that you have an up-to-date technical data sheet in hand by consulting our website: [techniseal.com](http://techniseal.com)  
U.S.A. and Canada: dial 1 800 465-7325  
Others: dial (514) 523-8324 (Canada)

#### APPLICATIONS

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- Residential projects: driveways, sidewalks, pool decks, patios, courtyards and garage floors.
- Commercial and industrial projects\*: parking lots, rooftop patios & pool decks, low-speed roadways (such as gated communities).
- Traffic limitations\*: Occasional heavy vehicles up to 100,000 ESALS. Gross Vehicular Weight should not exceed 65,000 lbs. Examples of acceptable vehicles include garbage trucks, fire trucks and street sweepers. The speed limit should not exceed 35 mph.
- Ideal for concrete overlays with concrete pavers from 30 mm to 100 mm, travertine, clay pavers, outdoor porcelain tiles and natural stone.

\* Please contact your Techniseal sales representative for any projects outside the application range.

DriBond is **not recommended** for:

- Vertical surfaces
- Underwater surfaces
- Asphalt
- Substrates other than concrete

#### PROPERTIES

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- Ideal for thin paver overlays
- No mixing - ready to use
- Dry application
- Reduces installation time
- Polymer-modified
- Inhibits weed growth

#### DESCRIPTION

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DriBond is a polymer modified dry mudset. It bonds pavers over existing concrete surfaces to enhance and beautify any horizontal concrete surface with the look and feel of traditional pavers.

## PRODUCT SPECIFICATIONS

**ASTM C579, Compressive Strength:** 6,850 psi

**ASTM C666, Freeze-Thaw Ratio:** 94% (Note: For installations in freeze-thaw regions, please contact Techniseal)

**ASTM C308, Final Set-Time:** 5:40

**Maximum Depth:** 1"

**Maximum Variance:** 5/8"

**Paver Thickness:** From 1" to 3 15/16" (30 to 100 mm). Porcelaine tile of 3/4 in (20 mm) is acceptable.

**Jointing Sand:**

Pedestrian applications or joints less than 1/16" (2 mm) wide: Mason or paver sand can be used.

Vehicular applications or joints more than 1/16" (2 mm) wide: Techniseal's HP NextGel polymeric sand should be used once the DriBond has set. A roller compactor must be used when installing the polymeric sand.

**Paver Size:**

Pedestrian applications: up to 24" X 24" (61 cm X 61 cm)

Vehicular applications: up to 15" X 15" (38 cm X 38 cm). Pavers should have lugs of at least 1/8" (3 mm).

## DIRECTIONS

### BEFORE YOU BEGIN

Before proceeding with the installation, make sure you have an up-to-date technical data sheet in hand and visit [techniseal.com](http://techniseal.com) to watch the application video. Make sure you have access to running water during the preparation and the installation. **It is the responsibility of the user** to determine the suitability and compatibility of this product for the intended use before installing it (see full warranty).

**Make sure you have all the appropriate individual protective equipment such as safety glasses and masks.**

### Installation Conditions:

- Concrete surface must have cured at least 28 days.
- Concrete surface must clean and dry
- Bottom side of pavers must be dry also to prevent prematured activation
- Concrete slab must be sound
- Temperature must be above 32 °F for 48 hours following installation
- **There should be no rain during installation**
- Sprinkler system must be turned off
- Do not mix product with cement, sand or any other material.
- Maximum slope installation is 10%. In this situation, watering should be done from top to bottom with lower water flow and the watering time should be longer than normal.

### Necessary tools - System Installation (DriBond & BorderBond):

- Garden hose with shower head
- Measuring tape
- Chalk line
- Leveling guide such as a two feet long piece of 2 by 4
- Heavy-duty breaker hammer
- Wheelbarrow or any suitable mixing container
- Cut-off saw with diamond blade
- DriBond screed tool (available at your DriBond dealer)
- 48 oz. cross pein hammer
- Rubber mallet
- Push broom



DriBond screed tool

- Shovel or garden hoe
- Mixing whip and drill (optional)
- 1/2" x 1/2" square notch trowel or margin trowel
- Bucket and sponges

## Surface Preparation (essential):

### Repairing Major Breaks & Cracks:

DriBond can be used over stress cracks. Any crack or separation 3/4" wide or larger must be filled with cement and covered with a crack isolation membrane. Large cracks and damaged sections must be cut to full depth as shown below and repaired with concrete.



For extensive damage or when changing the footprint of the driveway, rebar should be used, along with concrete to make the repairs.



Once the damaged concrete is removed, cut V-shaped notches in the existing concrete substrate. This will help tie-in the new concrete to the existing concrete.



Next, fill 75% of the area with concrete. The balance should be floated with a wet mix of DriBond. Completely cover the notches that were cut in the substrate and allow the patch to dry overnight.



Power wash the surface to remove any dirt from the area to be covered, leaving a clean surface. Let surface dry completely before applying DriBond. The use of a Techniseal cleaner, such as the Paver Restorer or HD Paver Prep, will increase product adhesion.

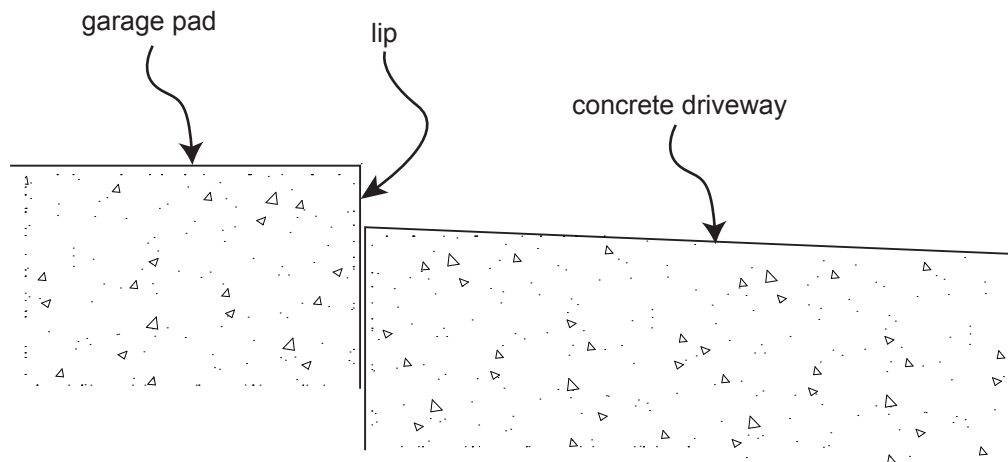


Preparing the garage transition area when required (measures given for 30 mm pavers):

When installing pavers with DriBond, it may be possible to encounter a garage transition that has a lip, or height difference from 1/2" to 1", as shown below. Depending on the amount of slope in the driveway, it may be necessary to cut and chisel away the existing concrete where it meets up with the garage opening, or transition area into the garage, to eliminate any potential for a trip hazard, while maintaining the ability of the garage door gasket to properly seal, and protect the garage from the elements. Thus, prior to the installation of pavers with DriBond, visually inspect this area to determine the course of action that will be required.

If the lip is at least 1 1/2" high, no modification of the existing concrete may be required. However, when the lip is less than 1 1/2", cutting and chiseling may be necessary to create the desired transition, while maintaining the proper slope. The amount of modification depends on two factors:

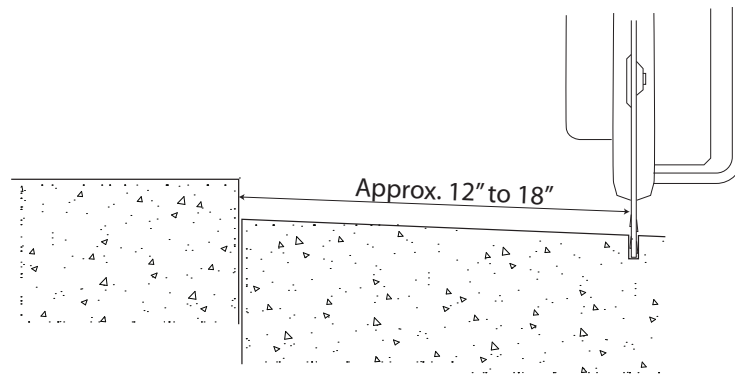
- Height of the lip at the garage door
- Amount of slope in the driveway



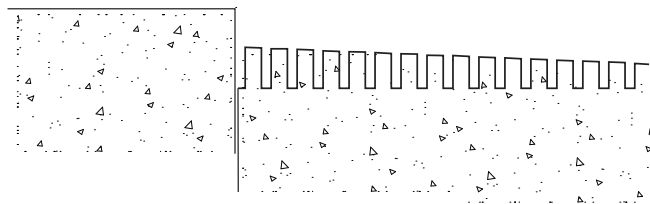
**Follow this procedure to prepare the transition area:**

1. Using a cut-off saw, make cuts parallel to the garage door opening, beginning at approx. 12" to 18" from the opening.

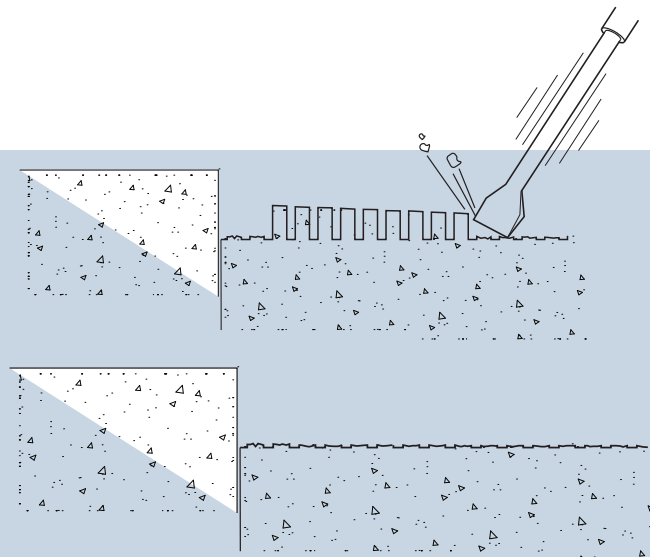




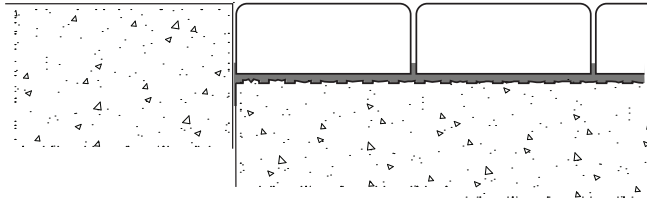
2. Start by making the first cuts at a depth of  $\frac{3}{8}$ " at the furthest point away from the opening, and make progressively deeper parallel cuts as you get closer to the opening, where the final cut will be to the depth required to make for a smooth, weatherproof transition. The number of parallel cuts that must be made will depend on the height of the lip, and the distance from the transition area into the garage, to where the first cut is made.



3. Once all cuts have been completed, you will need to utilize a jack hammer or a hammer drill to remove the concrete between cuts, taking precaution to gently chisel away the concrete at the cuts closest to the garage door transition lip.



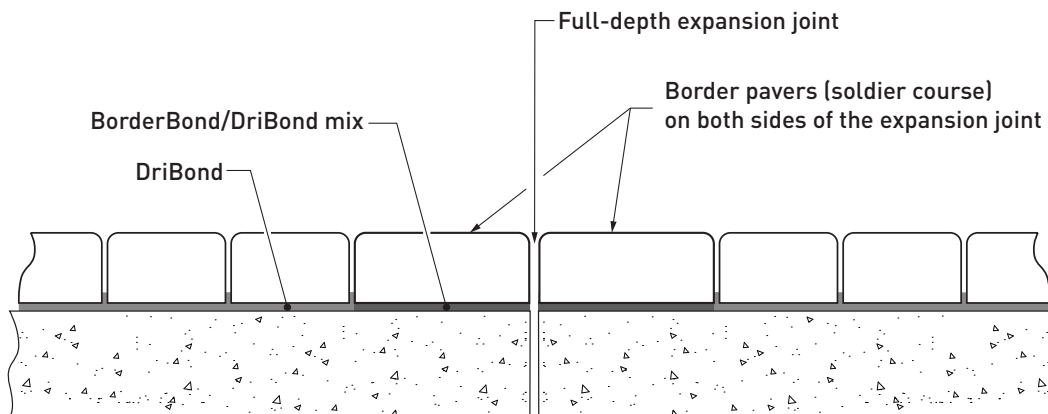
4. Once all loose, chiseled concrete has been removed, mix the required amount of Dribond in a wheelbarrow with BorderBond as the sole wetting agent, and neatly trowel into the transition area as required. Proceed to lay the field/ border pavers at the transition area, as well as tamping and leveling them lightly to the desired slope, seamlessly creating a smooth transition.



5. As a final preparation, remove stains with the appropriate Techniseal® stain removers.
6. Power wash the entire surface with Techniseal® Paver Restorer as directed on product label.

### Expansion Joints:

For full-depth expansion joints, typically seen in commercial projects (see figure below), each side of the joints should be treated like a border area using the wet mortar BorderBond/DriBond mix. **No pavers** should be installed over full-depth expansion joints.



### Product Application:

1. Open the DriBond bags and carefully pour the product over the surface. Spread the product with the screed tool, levelling the DriBond at the **recommended thickness of 1/4" to 3/8"**. Cover the areas that were patched with cement. For uneven surfaces or dips, consider increasing the recommended thickness to a maximum of 1" to level out the surface.

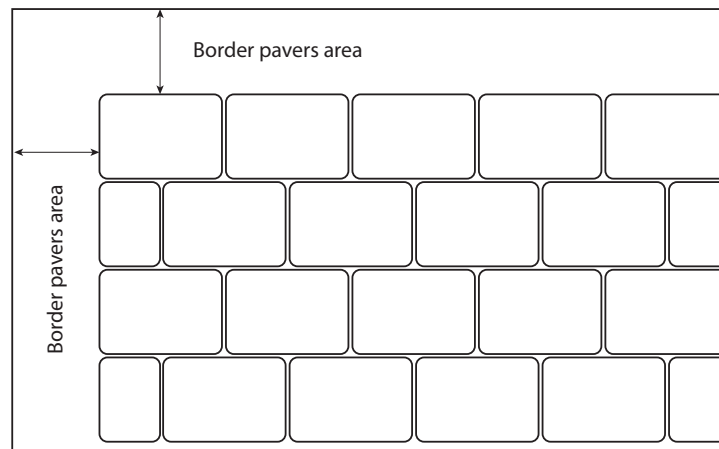


2. Without walking on the DriBond, lay pavers, square to the structure, or create a right angle to start the field according

to the selected pattern.



- 3. Leave a border of one full paver from each edge, making room for the border pavers.



- 4. Every 10 rows, use a straight edge to true up lines.



- 5. After the field pavers have been placed, use a PVC pipe or string line and mark the field pavers.





6. Then cut with a cut-off saw to create a clean border, remove the cut pieces and the DriBond powder outside the field.



7. Cut two grooves in the existing concrete slab at the border. This enhances bond strength when the border pavers are installed.



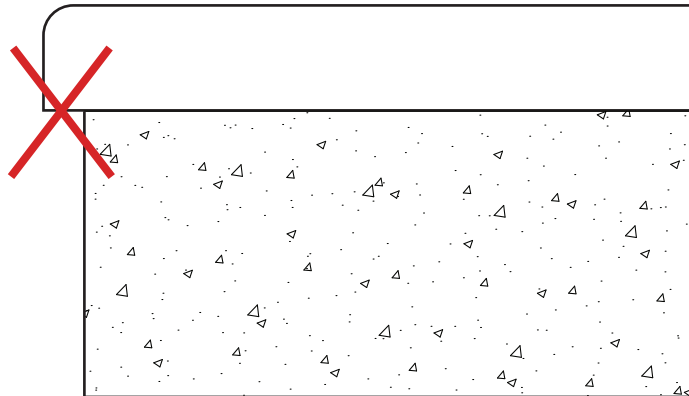
8. Clean the border surface to remove all loose particle.
9. Prepare BorderBond mix. Mix one bag of DriBond with one container of BorderBond. To obtain a more uniform consistency, it is highly recommended to mix both products gradually, in two or more doses. Mix must have a smooth, creamy consistency.
10. Using a 1/2" x 1/2" square notch trowel or a margin trowel, apply mix to the borders and transitions as necessary. This will create a mortar bed on which to lay the pavers.



11. Lay border pavers. There should be no air pockets or voids under the border tiles.



Never allow the border pavers to protrude past the edge of the existing concrete.



12. Remove any excess product from the edge of the finished paved area. The photo below shows a proper border paver installation.



- 13. Tie the pavers into the street surface and other areas such as sidewalks and garage pads.
- 14. After the border pavers have been placed, activate DriBond by evenly wetting the surface using a nozzle on a hose set to “shower”.

Watering time varies greatly and is dependent on the paver size (surface area) and DriBond depth. Use the tables below to calculate the recommended total watering duration for each project to ensure proper saturation and activation of DriBond. These tables are based on 500 sq. ft. coverage areas.

| PAVER SIZE      | WATERING DURATION |
|-----------------|-------------------|
| Up to 12" X 12" | 15 minutes        |
| 13" X 13"       | 17 minutes        |
| 14" X 14"       | 18 minutes        |
| 15" X 15"       | 20 minutes        |
| 16" X 16"       | 21 minutes        |
| 17" X 17"       | 23 minutes        |
| 18" X 18"       | 24 minutes        |
| 21" X 21"       | 29 minutes        |
| 24" X 24"       | 33 minutes        |
| 18" X 36"       | 37 minutes        |
| 24" X 48"       | 70 minutes        |
| 36" X 36"       | 78 minutes        |
| 12" X 48"       | 26 minutes        |
| 8" X 48"        | 33 minutes        |

TABLE A

| DRIBOND DEPTH | WATERING DURATION |
|---------------|-------------------|
| 1/4"          | 0 minutes         |
| 3/8"          | 5 minutes         |
| 1/2"          | 10 minutes        |
| 5/8"          | 15 minutes        |
| 3/4"          | 20 minutes        |
| 7/8"          | 25 minutes        |
| 1"            | 30 minutes        |

TABLE B

### WATERING DURATION CALCULATION

$$\text{WATERING DURATION} = \text{TABLE A} + \text{TABLE B} \times (\text{TOTAL SQ. FT.} / 500)$$

Example (highlighted in green in the tables above):

For a 1000 sq. ft. area with 15" x 15" pavers and 1/2" DriBond depth:  
 20 min. + 10 min. x 2 (1000 / 500) = **60 minutes**

Note: If installing multi-size pavers, use the largest piece for the calculation.

Note: On projects where watering times exceeds 3 hours, sprinklers may be used. However, it is important to ensure they are continuously wetting all areas evenly. In these situations, it is recommended to water by hand using a shower nozzle on a hose for a minimum of 2 hours before switching to sprinklers.



15. Check proper DriBond activation. With a hammer, lightly tap on a few pavers to verify if DriBond is completely activated with water. A hollow sound can be heard where the product is still dry underneath the pavers.

16. Install jointing sand:

Mason or paver sand: Spread jointing sand on the pavers. Sweep the jointing sand across the entire area and fill the joints. While pushing the sand into the joints, soak the entire paved area a second time. Don't be afraid of over-soaking the pavers.

Polymeric sand: Follow the manufacturer's directives and recommendations.

Note: Polymeric sand can be installed 72 hours after the DriBond/pavers installation (weather permitting).

Use a roller compactor preferably. A plate compactor can be used along with a membrane such as a flat-joint plastic safety fence placed on top of the paved surface.

Any new concrete product has the potential to produce efflorescence on its surface. Efflorescence is a powder-like deposit of soluble salts and bases, usually white in color, that sometime appears on the surface of concrete slab, natural stone, clay brick, concrete pavers or any other porous building material. Naturally-occurring salts found in soil, water, sand, gravel and any cementitious products are dissolved by rain and groundwater. This phenomenon will tend to dissipate as time goes on and mineral content depletes itself.

**CURING AND DOWNTIME**

For pedestrian applications with joints 1/16" (2 mm) or less: No downtime

For vehicular applications: Follow the polymeric jointing sand manufacturer's recommendations

**COVERAGE**

One 50 lb. bag will cover approximately 30 sq. ft. with 1/4" DriBond thickness.

Project Estimator - approximate with 1/4" DriBond thickness:

| TOTAL PROJECT SIZE | TOTAL NUMBER OF DRIBOND BAGS NEEDED | BORDER WIDTH | COVERAGE PER 1.58 GAL (6 L) OF BORDERBOND | DRIBOND BAGS NEEDED |
|--------------------|-------------------------------------|--------------|---|---------------------|
| 100 sq. ft.        | 3                                   | 4"           | 90 - 120 linear feet                      | 1                   |
| 500 sq. ft.        | 17                                  | 6"           | 60 - 70 linear feet                       | 1                   |
| 1000 sq. ft.       | 33                                  | 9"           | 40 - 45 linear feet                       | 1                   |
| 1500 sq. ft.       | 50                                  | 12"          | 30 - 35 linear feet                       | 1                   |
| 2000 sq. ft.       | 67                                  |              |   |                     |

**STORAGE**

Ideally, store bags inside, away from water and moisture. Unopened bags may be stored outside if they are still on the pallet, covered and protected by the original packaging.

**SHELF LIFE**

18 to 24 months when stored inside in its original, unopened packaging at a temperature ranging from 50 to 85°F.

**PACKAGING**

| Product | Product Code       | Color | Retail Size  | Units per pallet |
|---------|--------------------|-------|--------------|------------------|
| DriBond | 65302166 (221-B07) | N/A   | 50 lb. (bag) | 56               |

## WARNING

For more information and advice on the proper handling, storage, and disposal of this product, please refer to the latest version of its Safety Data Sheet (SDS). This official document contains physical, ecological, and other important information pertaining to the safe usage of this product. Visit [www.techniseal.com](http://www.techniseal.com) or call 1-800-465-7325 to request or find an up-to-date version of this product's Safety Data Sheet (SDS).

**KEEP OUT OF REACH OF CHILDREN**

## TRANSPORT

For more information and advice on the proper handling and transportation of this product, please refer to the latest version of its Safety Data Sheet (SDS). Visit [www.techniseal.com](http://www.techniseal.com) or call 1-800-465-7325 to request or find an up-to-date version of this product's Safety Data Sheet (SDS).

## LIMITED SYSTEM LIFETIME WARRANTY (COMPLETE WARRANTY AVAILABLE AT [WWW.TECHNISEAL.COM](http://WWW.TECHNISEAL.COM))

Manufacturer, having no control over the use of this Product, does not guarantee finished work. This Limited System Lifetime Warranty (hereinafter "warranty"), exclusively covers all residential installations and commercial installations subject to light traffic (Gross vehicular weight (GVW) should not exceed 65,000 lbs. Speed limit should not exceed 35 mph). Replacement of any product proven defective shall be the buyer's sole remedy under this warranty. This Product will perform its intended function when installed in accordance with our technical data sheets instructions or our latest online video, applicable building codes and standard industry practices. For purposes of this warranty, a "System" is a group of TECHNISEAL products that is used together in the same installation including DriBond® and BorderBond® and recommended paver or tile that are within specs. It is the sole responsibility of the user to determine the suitability and compatibility of our Product for the intended use before installing it. No representation, promise, pre-approval, affirmation, statement, or demonstration by any employee of TECHNISEAL shall modify or supersede the terms of this warranty. This warranty applies only to a full System of specified TECHNISEAL products used on the installation, and replaces all previous warranties. This warrant lasts so long as the job installation remains unchanged by the original owner and is none transferable, and shall end as specified in this warranty. To the extent permitted by law, all other warranties, including, but not limited to, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. ANY IMPLIED WARRANTIES ARISING BY OPERATION OF LAW ARE LIMITED IN DURATION TO THE TERM OF THIS EXPRESS LIMITED WARRANTY. The substitution of a product being part of the system will void this warranty.

TECHNISEAL will not be liable for damage or loss resulting from the following: structural failure; inadequate surface or sub-surface; improper preparation of concrete; Acts of God; product misuse; failure to comply with our technical data sheets instructions; applicable building codes or standard industry practices; wear and tear from normal usage; cracking due to structural movement; excessive deflection; or other failure of the substrate; and failure to store the product properly. IN NO EVENT SHALL TECHNISEAL BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF SALES OR PROFITS; BUSINESS INTERRUPTION OR DOWNTIME; INCREASED EXPENSE OF OPERATION; DAMAGE TO OTHER MATERIALS OR PROPERTY; OR LOSS OF USE OF PROPERTY. Proof of purchase is required for any claim.