



ULTRACERAMIC^{®/™} CONTRACT ENGINEERED STONE

INSTALLATION INSTRUCTIONS

For proper installation of all American Biltrite flooring, you will need the following documentation:

- [Floor Preparation](#)
- [Adhesive Quick Check Chart](#)
- **Adhesive Technical Data Sheet**

Follow the [Floor Preparation](#) document for specific instructions concerning site conditions, subfloor preparation and moisture testing.

REMOVAL OF OLD FLOORING

Warning: Do not sand, dry sweep, dry scrape, drill, saw, bead blast, mechanically chip or pulverize existing resilient flooring, backing, felt lining, paint, asphaltic cutback adhesives or other adhesives. These products may contain asbestos fibres or crystalline silica. Regulations may require that material be tested to determine asbestos content. Consult the Resilient Floor Covering Institute's (RFCI's) recommendations for removal of existing resilient floor coverings. Avoid creating dust as inhalation increases the risk of cancer and respiratory diseases. Smokers exposed to asbestos fibres are at greater risk of serious bodily harm. Unless certain that the product is asbestos-free, assume that it contains asbestos.

PRODUCT LIMITATIONS

1. For interior use only.
2. UltraCeramic Contract must not be installed outdoor or in unheated areas, wet areas, counter tops, ceilings, in commercial kitchens, food processing areas and ramps.
3. UltraCeramic Contract must not be installed in a closed area that is directly exposed to sunlight and where temperature will rise excessively, that is, above 38°C (100°F).
4. Use only at temperatures between 55°F and 100°F (13°C and 38°C) as per ASTM F1482 and a relative humidity between 40 and 60%.

ADHESIVE SYSTEMS

1. The use of the proper adhesive is critical for a successful end result. American Biltrite will only guarantee its flooring products with recommended adhesives as defined in the Adhesive Quick Check Chart.
2. Whenever working with two-part adhesives, the use of a kneeboard is required to prevent adhesive displacement or working off the flooring.
3. Clean spills on surface and/or joints as well as tools promptly using soapy water, rubbing alcohol, denatured alcohol or methyl hydrate.
4. Do not reuse container. Dispose of container and adhesive in accordance with federal, provincial/state and local waste disposal regulations.



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5. If there is any doubt about which adhesive to use, contact American Biltrite or its distributors for additional information.

INSTALLATION

1. First, locate the center of the room and pattern square using the 3-4-5 squaring method.
2. Balance the layout to the size of the tiles to be installed so a minimum of 1/3 of a tile forms border perimeter.
3. Transcribe the pattern square and draw a chalk line at the starting point of the installation.
4. Apply adhesive to the subfloor and allow for proper open time. Open and working times are dependent on the ambient temperature, humidity, air movement as well as subfloor temperature. It is the responsibility of the flooring contractor to adjust installation in accordance to the open and working time of the adhesive to jobsite conditions.
5. If directional arrows are present on the back, lay tiles with directional arrows pointing in the same direction.
6. Use ceramic tile spacers. American Biltrite recommends using 1/16" (1.6 mm) spacers.
7. Position tiles carefully against the spacers.
8. During installation always make sure proper adhesive transfer is achieved.
9. Roll flooring in both directions with a 45 kg (100 lb.) three-section roller; use a small hand roller in difficult-to-reach areas.
10. Immediately clean any adhesive spills on tile surface and remove any excess adhesive from seams.

GROUTING

1. If a two-part adhesive is used for tile installation, it is necessary to wait until next day prior to grouting to allow adhesive to cure.
2. Grout the installation immediately or within 24 hours after setting.
3. Work only a small area at a time 0.6 to 0.9 sq. m. (6 to 10 sq. ft.).
4. Using a rigid float, fully pack the premixed grout into the grout lines.
5. Make sure all joints are free of gaps and voids.
6. Remove excess grout from the tile, moving the float on the edge diagonally across the tile surfaces while the premixed grout is still fresh.
7. The grout surface should be flush with the tile edge.
8. Extend the grout a few inches into the next row of tiles so that water does not run into the unfinished joints during cleanup.



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APPROXIMATE COVERAGE: PER U.S. GALLON (3.78 L):

| Joint Spacing | Coverage |
|------------------------|--|
| 1/16" (1.6 mm)* | 450 ft² (42 m²) |
| 1/8" (3.2 mm) | 325 ft ² (31 m ²) |
| 3/16" (4.8 mm) | 275 ft ² (26 m ²) |
| 1/4" (6.4 mm) | 225 ft ² (21 m ²) |

* American Biltrite recommends using 1/16" (1.6 mm) spacers.

GROUT FINAL CLEANUP

1. Allow the grout to firm up prior to cleanup. The set time (3-5 minutes) may vary, depending on temperature and humidity conditions.
2. Apply a very light film of water over the grouted tile surface using a spray bottle.
3. Allow the water to sit on the tile surface for 10-20 seconds.
4. Do not allow the water to flow into the ungrouted joints or accumulate in finished areas.
5. Rub the grout haze very gently using a clean, damp white scouring pad.
6. Take a clean, damp, flat square sponge and slowly wipe diagonally across the tile to remove the remaining grout and water. Repeat until the surface is clean. Use two buckets of clean water – one for rinsing most of the grout residue and the other for moistening the sponge for the following cleanup.
7. If a residue is observed on the tile surface, a final wash can be performed about 1 hour after the initial wash using a clean, damp white scouring pad.
8. Clean tools with water while grout is wet. If allowed to dry, remove with mineral spirits, rubbing alcohol, denatured alcohol or methyl hydrate.
9. Prior to traffic, allow proper adhesive curing time based on Adhesive Technical Data Sheet.

FLOOR PROTECTION AND MAINTENANCE

1. Following installation and cleanup of the tiles, protect it by laying sheets of non-staining brown Kraft paper over the flooring and then a layer of plywood sheets (rolls of heavy non-staining cardboard material could also be used for protection). Leave in position until the work of all other trades has been completed.
2. Do not, at any time during product maintenance, flood the floor with water or maintenance solutions.
3. Prior to maintenance, allow proper adhesive curing time based on Adhesive Technical Data Sheet.
4. Refer to product-specific [Maintenance Instructions](#) for details.

Please note that technical web site documents prevail.

