

UltraCeramic™

Installation Instructions*

A. Getting Started

Read all installation instructions thoroughly before installation.

- UltraCeramic is recommended for use as a floor in residential and light commercial areas that are dry and heated interiors.
- Residential: Recommended as a floor in all areas of the home except wet areas like shower floors.
- Light Commercial: Recommended for areas receiving light commercial foot traffic.
- UltraCeramic must not be installed in exterior or unheated areas, wet areas, like shower walls or shower floors, counter tops, ceilings, in commercial kitchens or food processing areas or on ramps or in a closed area that is directly exposed to sunlight and where temperature will rise excessively that is, above 37°C (100°F).
- This tile can be damaged if dropped.
- When installing flooring, make sure that the pattern and the shade numbers are the same if more than one box is used.

SITE CONDITIONS

- Store the UltraCeramic in the installation area.
- The temperature must be kept between 18°C (65°F) and 24°C (75°F) for 48 hours before, during and after installation.
- The UltraCeramic must be acclimatized 48 hours prior to installation.
- UltraCeramic should be unstacked 24 hours prior to installation.
- Avoid placing flooring in direct sunlight (windows or doors) before installation, as it could create shading.

MOISTURE

For a concrete floor, moisture vapor emissions should not exceed:

5 lbs/1,000 sq. ft./24 hours (2.26 kg/92.9 sq. m/24 hours).

Note: Do not install UltraCeramic over expansion joints; instead, cut the tile neatly to each side of the joint and fill it with an elastomeric polyurethane joint filler or cover with an expansion plate cover.

For Radiant Heat floors, contact American Biltrite

PRODUCT LIMITATIONS

- *For interior installations only.*
- *Do not use for exterior applications, steam rooms, shower floors or areas subject to water submersion.*
- *Use only at temperatures between 65°F and 90°F (18°C and 32°C).*

B. Subfloor Preparation

1. For wood floors: Wood subfloors must be structurally sound and free of movement with at least 18" (45cm) of well-ventilated air space below.
2. Single layer floors and stripwood floors must be covered with a ¼" or heavier underlayment to achieve a total subfloor thickness of 1".
3. Position underlayment joints so they offset the joints in the tile by at least 3".
4. Sand underlayment joints level and fill gaps wider than 1/32" with the recommended patching compound.
5. Seal all areas that may be exposed to surface spills with a silicone caulking.
6. Subfloor must be smooth and flat, as imperfections in the subfloor may show through the finished flooring. All cracks, voids and undulations must be repaired prior to flooring installation with high strength Portland cement-based patching material.
7. Saw cuts must be cleaned carefully and flooring must not be installed over expansion joints.
8. All surfaces must be clean, dry and free of dust, grease, paint, oil, sealers and curing compounds or any other foreign material that may interfere with proper adhesion.
9. Do not use chemical adhesive removal products (chemical abatement products); their use will void the American Biltrite warranty.

WARNING: REMOVAL OF OLD FLOORING

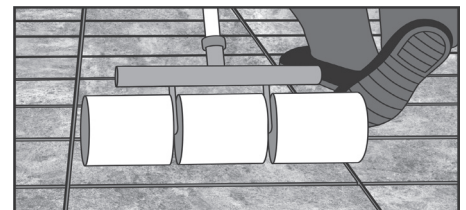
Do not sand, dry sweep, dry scrape, drill, saw, bead blast, mechanically chip or pulverize existing resilient flooring, backing, felt lining, paint, asphaltic cutback adhesives or other adhesives. These products may contain asbestos fibers or crystalline silica. Avoid creating dust as inhalation increases the risk of cancer and respiratory diseases. Smokers exposed to asbestos fibers are at greater risk of serious bodily harm. Unless certain that the product is asbestos-free, assume that it contains asbestos. 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.

D. Rolling the Floor

Roll flooring in both directions with a 34-45 kg (75-100 lb.) sectional roller.

We recommend the following guidelines for traffic:

- If ungrouted, light traffic after 8 hours (to protect the sealer) however NO heavy rolling traffic;
- If grouted, tile may be walked on immediately after installation, however it is best to avoid traffic for first 24 hours to allow grout to dry;
- After 72 hours, heavy traffic, placement of furniture and rolling traffic allowed.



*Please note that technical web site documents prevail.

C. Setting the Tiles

- The use of the proper adhesive is critical to a successful end result. **American Biltrite will only guarantee its flooring products if the PS-30 is used.**
- PS-30 is a low-VOC pressure-sensitive adhesive specifically formulated for use on porous and non-porous surfaces.
- Protect adhesive from freezing in transit and storage.
- Trowel specifications are written as follows: depth /width / spacing.
- Use kneepads or work off the flooring whenever possible.
- Do not reuse container. Dispose of container and adhesive in accordance with federal, provincial/state and local waste disposal regulations.

FOLLOW THESE STEPS:

PS-30 is a pressure-sensitive adhesive.

1. Porous and non-porous surfaces: Spread adhesive with 0.8 mm x 1.6 mm x 0.8 mm (1/32" x 1/16" x 1/32") U-notched trowel.

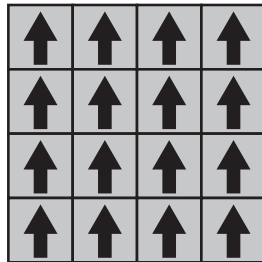
- Coverage: 18.5 - 23.2 sq.m/3.79 liters (200–250 sq. ft/gal.)

2. Allow the adhesive to dry to the touch (around 30 to 60 minutes). It will turn from light blue to clear.

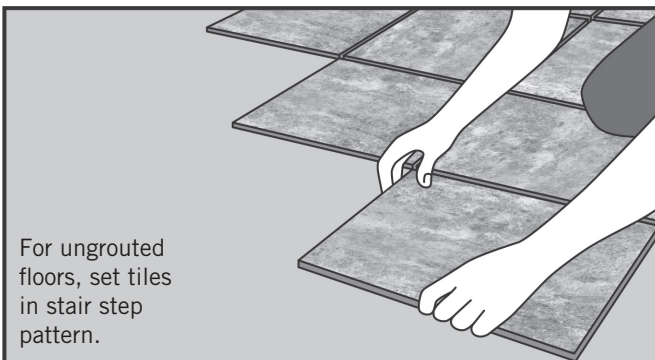
3. Install flooring within 3 hours.

4. Lay the tiles according to the visual desired. (*To cut tile, score with a utility knife and bend to separate.*)

- Flooring products with arrows on the back must be installed with the arrows all pointing in the same direction.

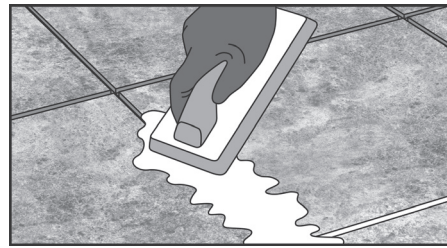


- For grouted floors, position tiles carefully against the spacers. Set the tiles in rows.



For ungrouted floors, set tiles in stair step pattern.

E. Grouting



Tiles can be grouted immediately after installation. When grout is used, follow directions on grout container.

Use this table for approximate coverage:

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

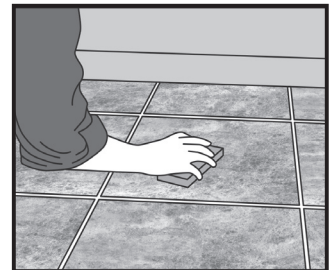
Joint Width	Coverage
1/16" (1.6mm)	450 ft ² (42 m ²)
1/8" (3.2mm)	325 ft ² (31 m ²)
3/16" (4.8mm)	275 ft ² (26 m ²)
1/4" (6.4mm)	225 ft ² (21 m ²)

UNGROUTED TILES

UltraCeramic JS100 Joint Sealer is required for all un-grouted UltraCeramic floors. **UltraCeramic JS100 Joint Sealer** is designed to keep surface water and dirt from penetrating ungrouted floor joints. **Follow directions on sealer container.**

F. Final Cleanup

1. Allow the grout to firm up prior to cleanup. The set time (3-5 minutes) may vary, depending on the temperature and the humidity condition.
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 20-30 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 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. Allow the grout to dry for 24 hours prior to final cleanup. Use a clean, damp, flat square sponge to wipe off the remaining grout haze.
8. Clean tools with water while grout is wet. If allowed to dry, remove with mineral spirits.
9. Remove grout haze with water (or 1/4 cup [60-mL] household ammonia and 1 U.S. gal. [3.79 L] of water).



Follow recommended maintenance instructions by visiting our website at www.ultrac ceramic.com



AmericanBiltrite

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American Biltrite, 200 Bank Street, Sherbrooke, Quebec, Canada J1H 4K3
www.ultrac ceramic.com | 1.800.653-3343 ext. 7308