



STONESCAPE & VIERA NON-PVC Flooring INSTALLATION INSTRUCTIONS

IMPORTANT!

BEFORE PROCEEDING WITH ANY INSTALLATION, BE SURE TO READ THE FLOOR PREPARATION PROCEDURES AND INSTALLATION INSTRUCTIONS.

FOLLOW ASTM F-710 "STANDARD PRACTICE FOR PREPARING CONCRETE FLOORS TO RECEIVE RESILIENT FLOORING" THIS INCLUDES DETERMINING MOISTURE AND pH LEVELS OF THE CONCRETE AS SPECIFIED IN:

1. ASTM F 1869, Anhydrous Calcium Chloride.
2. ASTM F 2170, Relative Humidity (RH) using *in situ* probes.
3. ASTM F 710, determining pH levels, (test procedure 5.3.1).

Ensure moisture tests have been conducted and moisture levels are acceptable according to manufacturer's recommendations and will not increase at a future date above recommended levels. For all grade installations (on, above or below), it is the flooring contractor's responsibility to ascertain that there is not too much moisture in the concrete and that the pH levels are correct. American Biltrite will not be responsible for hydrostatic pressure, which may occur in the future. Consult the "Adhesive Quick Check Chart" for acceptable subfloor types, moisture/RH, pH levels and approximate coverage for each adhesive system.

THE USE OF CHEMICAL ADHESIVE REMOVAL PRODUCT MUST NOT BE USED. THE USE OF SUCH ADHESIVE ABATEMENT SYSTEMS WILL VOID THE AMERICAN BILTRITE (CANADA) LTD. ADHESIVE SYSTEM WARRANTY.

Tile Appearance - When removing the tiles from the carton it may be noticed that the tiles do not have a consistent appearance. This is a side effect created during the manufacturing and packaging process and WILL disappear when the initial maintenance procedure is performed.

Adhesive Systems

The use of the proper adhesive is critical to a successful end result. American Biltrite will not warrant any Stonescape or Viera NON-PVC installation if the **PS-30** or **AD-610** adhesive systems are not used.

- **PS-30** is a Low-VOC pressure sensitive adhesive specifically formulated for use with NON-PVC tiles. This adhesive builds very high bond strength when applied over porous and non-porous surfaces.
- **AD-610 is a wet-set, NO-VOC acrylic adhesive system specifically formulated for use with NON-PVC tiles that are installed over porous subfloors and are subject to heavy rolling load traffic such as in grocery stores where Pallet/Pump-Jacks, food conveyers and lift machinery are used. Also AD-610 MUST be used on installations where the ambient room temperature could reach 32°C (90°F) and higher such as in schools when the air conditioning is turned off.**

If there is any doubt on which adhesive to use contact Estrie or their distributor for additional information.

PS-30 Adhesive

Description:

PS-30 this Low-VOC pressure sensitive adhesive is specifically formulated for use with NON-PVC tiles. Light blue color when wet this adhesive will turn clear in appearance when ready for installation. The PS-30 will build very high bond strength when applied over porous and non-porous surfaces.

Porous Surfaces:

Recommended over construction grade plywood, cementitious underlayments, dry concrete that is above, on or below grade when there is less or equal to 2.26 kg/92.9 sq m/24 hours (5 lbs/1000 sq. ft./24 hours) as determined by the anhydrous calcium chloride moisture test (ASTM-F-1869) or 75%/92.9 sq. m/24 hours (75% - 1,000 sq. ft. /24hours) as determined by Relative Humidity (RH) moisture test (ASTM – F-2170) and were pH levels are within and including 8 to 10. If test results exceed the limitations **DO NOT PROCEED UNTIL THE SITUATION HAS BEEN CORRECTED.**



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Non-Porous Surfaces:

Can be used over Terrazzo, ceramic tile, metal, existing fully adhered non-cushion backed resilient on all grade levels except existing tile below grade. Determine moisture levels of existing tile and Terrazzo are less than or equal to 2.26 kg/92.9 sq m/24 hours (5 lbs/1000 sq. ft./24 hours) as determined by the anhydrous calcium chloride moisture test (ASTM-F-1869) or 75%/92.9 sq. m/24 hours (75% - 1,000 sq. ft./24hours) as determined by Relative Humidity (RH) moisture test (ASTM – F-2170) and were pH levels are within and including 8 to 10. If test results exceed the limitations **DO NOT PROCEED UNTIL THE SITUATION HAS BEEN CORRECTED.**

Limitations:

- Protect adhesive from freezing in transit and storage.
- Store the Non-PVC flooring and adhesive in the area to be installed. The area to be installed must be conditioned at a temperature of 18°C (65°F) or above (**no more than 29°C (85°F)**) for 48 hours before, during and 48 hours after installation.
- **If the Non-PVC flooring is to be installed over a porous surface in an area where heavy rolling loads are used such as: Pallet/Pump-Jacks, food conveyers and lift machinery or where ambient room temperatures will reach 32°C (90°F) AD-610 MUST be used.**

Application:

- All surfaces must be clean, dry and free of dust, grease, paints oils, sealers and curing compounds or any other foreign materials, which may interfere with proper adhesion. Cracks, voids depressions etc must be filled with cement based patching compound.
- **Porous Surfaces:** Spread adhesive with 0.7 mm D x 1.6 mm W x 0.7 mm A (1/32"D x 1/16"W x 1/32"A) U-notched trowel. Allow the adhesive to dry/tacky to the touch (approx. 30 to 60 minutes).
- **Non-Porous Surfaces:** Spread adhesive with 0.7 mm D x 1.6 mm W x 0.7 mm A (1/32"D x 1/16"W x 1/32"A) U-notched trowel. Allow the adhesive to dry/tacky to the touch (approx. 30 to 60 minutes).

- Install flooring within 12 hours.
- When installing the tiles do not force/ram the tiles together, rather install them so they are just touching each other to form a tight seam.
- Roll flooring material with a 34-45 kg (75-100 lb) roller across the width and length.

Clean-up:

Remove wet adhesive residue using a clean, white cloth dampened with soapy water. Use minimal amount of mineral spirits for dried adhesive residue. NOTE: Do not reuse container. Dispose of container and adhesive in accordance with federal, provincial/state, and local waste disposal regulations. Do not flush adhesive down drains.

Start-up Floor Maintenance:

- Do not start any maintenance procedures for a minimum of seven (7) days following installation.
- **DO NOT AT ANY TIME DURING THE INITIAL MAINTENANCE OR THEREAFTER FLOOD THE FLOOR WITH WATER OR MAINTENANCE SOLUTIONS.**
- Refer to "Maintenance Instructions" for specific details.

Coverage:

18.5 – 23.2 sq m/3.9 L (200 - 250 sq. ft./ gal)

IMPORTANT!!! FLOOR PROTECTION

Following installation and cleanup of the tile, protect the tile from other sub-trades by laying sheets of brown Craft paper over the tile, and then lay plywood sheets.

CURING TIMES

Site conditions can greatly affect curing times of the adhesives. Visually check the tile installation to make sure the adhesive is curing by pulling back the corner of the tile. If it will not peel back easily, the curing process is underway. This must not be attempted prior to 24 hours following installation. We recommend the following adhesive curing guidelines:

Curing Times continued on next page....

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- Light traffic for the first 72 hours.
- After 72 hours - moderate to heavy traffic, placement of furniture and light rolling traffic.
- After 7 days, perform initial maintenance.

AD-610 Adhesive

Description:

AD-610 is a wet-set, NO-VOC acrylic adhesive system specifically formulated for use with NON-PVC tiles that are installed over porous subfloors and are subject to heavy rolling load traffic such as in grocery stores where Pallet/Pump-Jacks, food conveyers and lift machinery are used. Also AD-610 MUST be used on installations where the ambient room temperature could reach 32°C (90°F) and higher such as in schools when the air conditioning is turned off.

Porous Surfaces:

Recommended over construction grade plywood, cementitious underlayments, dry concrete that is above, on or below grade when there is less or equal to 2.26 kg/92.9 sq m/24 hours (5 lbs/1000 sq. ft./24 hours) as determined by the anhydrous calcium chloride moisture test (ASTM-F-1869) or 75%/92.9 sq. m/24 hours (75% - 1,000 sq. ft. /24hours) as determined by Relative Humidity (RH) moisture test (ASTM – F-2170) and were pH levels are within and including 8 to 10. If test results exceed the limitations DO NOT PROCEED UNTIL THE SITUATION HAS BEEN CORRECTED.

Limitations:

- AD-610 is not recommended for use over non-porous surfaces.
- Protect adhesive from freezing in transit and storage.
- Store the Non-PVC flooring and adhesive in the area to be installed. The area to be installed must be conditioned at a temperature of 18°C (65°F) or above (no more than 29°C (85°F) for 48 hours before, during and 48 hours after installation.

Application:

- All surfaces must be clean, dry and free of dust, grease, paints oils, sealers and curing compounds or any other foreign materials, which may interfere with proper adhesion. Cracks, voids depressions etc must be filled with cement based patching compound.
- Spread adhesive with 0.7 mm D x 1.6 mm W x 0.7 mm A (1/32"D x 1/16"W x 1/32"A) U-notched trowel.
- Lay the tiles in to the adhesive while it is wet. **The maximum working time is 20 minutes.**
- When installing the tiles do not force/ram the tiles together, rather install them so they are just touching each other to form a tight seam.
- Check that all edges and corners of the tiles are seated flush with adjacent tiles. Roll the flooring across the width and length using a 45 kg (100 lb) roller, THE ROLLING OF THE FLOOR MUST BE CONDUCTED WITHIN 30 MUNUTES OF SETTING THE TILES.
- Following the rolling of the floor, check again to make sure that all edges and corners of the tiles are seated flush with adjacent tiles.

Clean-up:

Remove wet adhesive residue using a clean, white cloth dampened with soapy water. Use minimal amount of mineral spirits for dried adhesive residue. NOTE: Do not reuse container. Dispose of container and adhesive in accordance with federal, provincial/state, and local waste disposal regulations. Do not flush adhesive down drains.

Start-up Floor Maintenance:

- Do not start any maintenance procedures for a minimum of seven (7) days following installation.
- **DO NOT AT ANY TIME DURING THE INITIAL MAINTENANCE OR THEREAFTER FLOOD THE FLOOR WITH WATER OR MAINTENANCE SOLUTIONS.**
- Refer to "Maintenance Instructions" for specific details.



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CURING TIMES

Site conditions can greatly affect curing times of the adhesives. Visually check the tile installation to make sure the adhesive is curing by pulling back the corner of the tile. If it will not peel back easily, the curing process is underway. This must not be attempted prior to 24 hours following installation. We recommend the following adhesive curing guidelines:

- No traffic for the first 24 hours.
- Inspect the adhesive as outlined above after the first 24 hours, if acceptable then light to medium traffic from 24 to 72 hours.
- After 72 hours - moderate to heavy traffic, placement of furniture and light rolling traffic.
- Allow 5 to 7 days before heavy rolling traffic such as Pallet/Pump-Jacks, food conveyers and lift machinery are allowed on the floor.

Warning

Do not sand, dry sweep, dry scrape, drill, saw, beadblast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, paint, asphaltic cutback adhesives, or other adhesives. These products may contain asbestos fibers or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product is nonasbestos-containing material, presume that it contains asbestos. Regulations may require that the material be tested to determine asbestos content. The Resilient Floor Covering Institute's (RFCI's) recommended work practices for removal of existing resilient floor coverings should be consulted for a defined set of instructions addressed to the task of removing all resilient floor covering structures.

