



INSTALLATION PROCEDURES

AB Colors Plus Tiles

(Fortress Elements, Color Thru, Heritage Stone & Plain)

IMPORTANT!

BEFORE PROCEEDING WITH INSTALLATION, BE SURE TO READ THE ESTRIE FLOOR PREPARATION PROCEDURES!

Adhesive Systems

General: The use of the proper adhesive is critical to a successful end result. Use the following adhesive guidelines. However, if there is any doubt on which adhesive to use contact Estrie or their distributor for additional information.

- Dry slab on grade - check for possible moisture problems and ensure that moisture readings are within acceptable levels. Use a good quality rubberized asphalt emulsion adhesive or quick set adhesive.
- Dry slab above grade (suspended) - Use a good quality rubberized asphalt emulsion adhesive or quick set adhesive. Check moisture readings.
- Dry slab below grade - check for possible moisture problems and ensure that moisture readings are within acceptable levels and will not be exceeded in the future. Use a good quality rubberized asphalt emulsion adhesive or quick set adhesive in these areas.

Procedures for Installing Colors Plus tiles over Terrazzo, Ceramic, Natural/Agglomerated Marble or Granite:

- Following the curing of the Ultra/Plan install the Colors Plus tiles using #530SF or #529SF adhesive in accordance with the installation procedures.

Procedure for Installing Colors Plus tiles over Metal Substrates:

- For non-porous substrates such as stainless steel and galvanized steel use #530SF adhesive in accordance with the installation procedures.

#529SF Epoxy and #530SF Polyurethane Adhesives

Description:

#529SF is an epoxy-based adhesive that is beige when mixed. #530SF is a polyurethane-based adhesive that is cream when mixed. Both are two part component adhesives that when mixed become a pasty consistency. They are formulated to bond Colors Plus tiles where a high performance installation is required.

Limitations:

1. Protect adhesives from freezing in transit and storage. If frozen, allow to return to room temperature without stirring.
2. Do not use when the substrate temperature is below 15°C (59°F) or above 30°C (86°F).
3. For interior installations only.

Directions:

- Remove the lid of part A and stir using a mechanical mixer.
- Remove the lid of part B and pour all the contents of part B into the container of part A. Use a rubber spatula to remove all of the part B from the container. Thoroughly mix both part A and part B together. The use of a mechanical mixer is required to ensure proper mixing. Inadequate mixing will cause bond failure.

Application:

- Pour the full amount of the mixed adhesive onto the floor immediately after mixing and spread with 1.6 x 1.6 x 1.6 mm (1/16" x 1/16" x 1/16") U-notched trowel.

Note: Do not leave mixed epoxy or polyurethane adhesive in original can; the heat generated by this chemical mixture reduces the open time of the adhesive.

- After spreading the adhesive, lay the tile immediately into the adhesive (do not force the tiles together tightly, rather place them so that seams are just touching). Take care to use kneeling boards or work off the tile





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whenever possible. Remove excessive adhesive from the surface of tile with a cloth moistened with water or ethyl alcohol while adhesive is wet.

- Open time of adhesive will vary depending on site conditions (i.e. temperature, humidity). The adhesive is still workable if it is wet and transfers to the fingers when touched. The installer should observe adhesive transfer to the back of the tile prior to and following cross rolling with a 45 Kg (100 pound) sectional roller. The floor **MUST** be rolled prior to adhesive hardening. A second rolling must be done 2 to 3 hours after the first rolling.

Clean-Up:

- Clean excess adhesive off the tile and tools promptly using ethyl alcohol.
Note: Epoxy and Polyurethane adhesives cannot be removed after they have set.

Caution:

- Keep from freezing.

Coverage:

- #529SF up to 11.3 sq m per 3.79 liter unit (121 sq ft per US gal);
- #530SF up to 15 sq m per 3.79 liter unit (163 sq ft per US gal).

IMPORTANT!!! FLOOR PROTECTION

Following installation and cleanup of the tile, protect the tile from other subtrades by laying sheets of brown Kraft paper over the tile, and then lay plywood sheets.

CURING TIMES FOR #529SF AND #530SF ADHESIVES

Site conditions can greatly affect curing times of the adhesives. Visually check the tile installation to make sure curing of the adhesive is happening 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 for #529SF and #530SF adhesives:

- Up to 24 hours following installation – no traffic.
- Up to 48 hours – light traffic
- Up to 72 hours – moderate to heavy traffic, placement of furniture and rolling traffic.

Note:

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