



## **Armstrong Commercial Flooring**

Grocery Store Installations | Best Practices | Natural Creations® with Diamond 10® LVT

In addition to these installation best practices, please refer to the full installation instructions that can be found on Armstrong Floorings website or within the Armstrong Guaranteed Installation Systems F-5061: <https://www.armstrongflooring.com/commercial/en-us/resources/guaranteed-installations-systems-manual-F-5061.html>

### **PROPER CONDITIONING OF SPACE/ENVIRONMENT**

- Flooring materials should be installed in a temperature-controlled environment.
- It is necessary to maintain a constant temperature before, during and after the installation.
- The permanent or temporary HVAC system must be in operation before the installation of resilient flooring.
- The area to receive the resilient flooring should be maintained at a minimum of 65° F (18° C) and a maximum of 85° F (29° C) for 48 hours before, during and for 48 hours after completion.
- Material & adhesive should be acclimated in the same conditions in which it will be installed for a minimum of 48 hours.
- During the service life of the floor, the space should be kept at 55° F - 85° F at all times.

### **CONCRETE SLAB | SUBSTRATE**

- Remodels: Remove old adhesive so that 100% of the overall original substrate is exposed. Refer to ASTM F 710
- Preparation of concrete slabs to receive resilient flooring
- Slab/substrate must be clean, dry, smooth, and free from paint, varnish, wax, oils, etc.

### **SPECIFIC AREAS WITHIN THE INSTALLATION**

Freezer casings/produce areas/entry way/cart return/moveable heavy displays

- Install with S-1000 Adhesive 2-3 feet out from under freezer casings, or areas where floor is subjected to constant sprinkler, topical moisture, concentrated heavy loads, doorway transitions, clean out/drain rings and extreme temperatures. Raise clean out/drain rings to the finish flooring height and scribe/cut tight to them.
- After appropriate open time, install floor.
- Immediately roll the entire floor with a 100-lb. roller. Use a hand roller in confined areas where the large floor roller will not reach, such as under toe kicks.

### **For other areas:**

- The following adhesives are recommended: S-319 Roll Strong, or S-995 Adhesive
- Use S-1000 Adhesive in areas where the product will be subjected to direct sunlight, topical moisture, concentrated static and dynamic loads or temperature fluctuations

### **POST INSTALLATION FLOOR PROTECTION**

- Any area not installed with S-319 Roll Strong Adhesive - Cover area with ¼" Masonite or hardboard, tape edges for rolling traffic. Do not allow any foot traffic on unprotected flooring for 24 hours after installation, and 72 hours for rolling loads

### **ASTM CONCRETE SPECIFICATION**

**ASTM F 2170** – Standard test method for determining floor relative humidity using in situ probes

- Apparatus = humidity probe and digital meter
- Air space above slab should be at service temp and RH, 48 hours prior to measuring concrete RH
- Drill holes 40% depth of concrete; allow 24 hours to achieve moisture equilibrium before testing
- Run three tests for first 1,000 sq. ft. of space; one additional test for each 1,000 sq. ft.



#### **ASTM F 710 – Preparation of concrete slab to receive resilient flooring**

- Flatness : +/- 3/16" in 10' ASTM E1155 - FF32
- Drying time min : 60 -90 days
- Use Portland cement based levelers only, for on or below grade slabs.

#### **EPOXY COATED FLOORS**

- Abrade/sand epoxy floor area.
- If contaminants, polish or grease is present, clean with TSP (TRISODIUM PHOSPHATE) and rinse
- Prime floor with S-465 NP Prime Strong
- Patch/skim floor with S-466 Patch Strong

#### **ADHESIVE / TOOLS**

- S-319 Roll Strong adhesive allows immediate traffic on floor
- S-995 Adhesive for LVT dry-to-touch over all approved substrates
- S-1000 Adhesive has a high moisture guarantee up to 100% RH
- Magnum Shears -cutting Diamond 10<sup>®</sup> LVT: <https://marshalltown.com/search?q=20%22+EZ+Shear+Flooring+Shear>

#### **MAINTENANCE**

For full maintenance instructions: <https://www.armstrongflooring.com/pdbupimages-flr/225710.pdf>  
Includes a low-maintenance no polish option with the option to polish.

#### **Polish Option:**

- Do not wet wash, machine scrub, strip the floor or apply polish for at least five days after installation.
- To ensure the proper bond of polish, the floor must be thoroughly scrubbed with a properly diluted neutral detergent solution (such as Armstrong S-485 Commercial Floor Cleaner), using a single disk swing machine (300 rpm or less) equipped with a 3M™ blue pad scrubbing pad or equivalent brush.
- If the polish does not bond, the floor must be thoroughly scrubbed with a properly diluted sodium hydroxide-containing floor stripper such as Spartan Chemical Corporation's Square One<sup>®</sup>, using a single disk swing machine (300 rpm or less) equipped with a 3M™ blue pad scrubbing pad or equivalent brush. Strippers should have a formulated sodium hydroxide (NaOH) concentration of 1% by weight or greater. Dilution rates should not exceed 1:4.
- Never use black or brown pads. Use red pads for scrubbing, blue for deep scrubbing.

#### **No-Polish Option:**

- Sweep, dust mop or vacuum the floor thoroughly to remove all loose dust, dirt, grit and debris.
- Remove any dried adhesive residue with a clean, white cloth dampened with mineral spirits, carefully following warnings on the container.
- Damp mop the floor with a properly diluted neutral (pH 6 to 8) detergent solution such as Armstrong Flooring S-485 Commercial Floor Cleaner.
- Do not wet wash, machine scrub or strip the floor for at least five days after installation.
- Never use black or brown pads. Use red pads for scrubbing, blue for deep scrubbing.

For additional information, call or email: Armstrong Technical Website: [www.floorexpert.com](http://www.floorexpert.com)  
Technical Services Phone: 866-243-2726 Email: [ahfproductsupport@ahfproducts.com](mailto:ahfproductsupport@ahfproducts.com)

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