



## Installation Instructions: TAJ Sheet Vinyl Flooring

Recommended Adhesive: TAJ Eco Bond Adhesive / TAJ 585 Adhesive / Mapei 2 Part Urethane or Epoxy Hard Set Adhesive G-15, G-19, or G21

### Job Conditions:

The installation of sheet vinyl flooring shall proceed only after the work of other trades has been completed especially overhead trades. Areas to receive resilient flooring shall be clean, adequately lighted, fully enclosed, weather tight, and heated to a minimum of 65° to 70° F. for 72 hours before, during, and after installation is completed. Heat should be maintained in areas to receive flooring with the building's permanent heating system. Salamanders and other temporary heating devices should not be used. Installed flooring shall not be exposed to heavy traffic or heavy rolling loads or any type of maintenance procedures until the adhesive has cured for a minimum of 24 hours when using TAJ 585. TAJ Eco Bond adhesive allows immediate foot traffic. If emergency conditions require the movement of equipment or furniture, the flooring should be protected with heavy planks or a minimum of ½" thick plywood to prevent damage.

**NOTE:** Upon receipt of the material, remove from crates or skids to fully inspect the material so all rolls can be viewed and inspected for any shipping damage. Contact TAJ Flooring, Inc. immediately with any material issues. Store rolls vertically on a clean level surface if not installed immediately.

Flooring and adhesives should be on site a min. of 24 hours prior to installation allowing materials to acclimate.

### Suitable Substrates:

**Concrete Substrate:** Concrete substrate shall conform to requirements of ASTM F710-05-Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring).

Concrete subfloors shall be steel troweled finished smooth, flat and level. Concrete shall be wet cured for a minimum of 30 days to 3,500 psi. Flatness of concrete shall be  $\pm 1/8$  in a 10'-0" radius. Do not apply any type of coatings, surface sealers, hardeners, or curing membranes to the surface of the concrete. These materials will prevent proper bond of the floor covering adhesive. Minor cracks, chips, and spalls shall be patched with cement based patching material, i.e. Ardex or Mapei. Level high spots by grinding or sanding. Any required leveling shall be done with cement-based underlayment, minimum 3,500 psi, i.e., Ardex or Mapei. Patching and underlayment material shall be applied in strict accordance with manufacturer's specifications and installation instructions.

- **TAJ Eco Bond Adhesive:** Maximum 8.0 lbs. of moisture per 1,000 sf per 24 hours as tested by Calcium Chloride Test kits per ASTM F1869 test procedure or 90% R.H. per ASTM F2170 test procedure. Test pH of concrete – pH shall be <11.
- **TAJ 585 Adhesive:** Maximum 5.0 lbs. of moisture per 1,000 sf per 24 hours as tested by Calcium Chloride Test kits per ASTM F1869 test procedure or 80% R.H. per ASTM F2170 test procedure. Test pH of concrete – pH shall be <9.
- **Mapei 2 Part Epoxy or Urethane Hard Set Adhesive:** Follow manufacturers guidelines for use with sheet vinyl.

If the concrete is contaminated with any type of sealer, hardener, curing membrane, paint, oil, grease, adhesives, and any other type of penetrating material it should be removed thoroughly by bead blasting. Sanding is not adequate and chemicals should not be used to accomplish removal. After concrete preparation has been completed, sweep and vacuum surface thoroughly to remove all miscellaneous dirt and contaminants.

It is possible that joints of existing resilient flooring may telegraph though. This is common and not a product defect.

### Unsuitable substrates:

Particleboard, chipboard, flake board, hard board, soft or lightweight aggregate concrete, gypsum, or other resilient floorcoverings are not the most suitable substrates for installation of vinyl flooring and must use only TAJ Eco Bond Adhesives under ideal circumstances only. Minimum 3/8" thick APA graded plywood, properly installed, is a suitable underlayment. Contact us for recommendations regarding all other types of substrates.

### Hospital Beds:

In the event that TAJ Flooring sheet vinyl is to be used in patient rooms, special care must be taken in the area under the beds and heavy equipment. Hard setting 2 part adhesive systems such as Mapei G-15 (Epoxy), G-19 (Urethane) or G-21 (Urethane) give the best chance of limiting residual indentation and should be used in these instances. Follow adhesive manufacturer's instructions for use.

Distributed by: TAJ Flooring, Inc.

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### **Flash coving:**

Whenever flash coving is required, the floor area should be installed first and the installation of flash coving last. Also any required cap strips or termination strips should be installed prior to fitting the flash cove. Underscribe and fit flash coving dry so that it fits correctly into the cap strip. Do not over-fit or pressure-fit, as it will cause bubbles. Use only TAJ Eco Bond Sheet adhesive and adhere to the wall surface and the back of the sheet vinyl. Press the flash cove into position and roll it thoroughly using a steel hand roller. In corners and out corners should be fit by butterflying and wrapping the corner so as to eliminate any corner joint. For out-corners it helps to groove the back at the corner position to allow the corner to be wrapped tightly and prevent bubbles at the corner. Heat weld vertical seams using matching welding thread.

### **Installation:**

Roll our sheet material with pattern surface up. Install all sheets in the same direction. Allow material to acclimate to building conditions for a minimum of 24 hours prior to fitting, bonding, and seaming.

- Inspect all sheet material carefully to verify that proper colors are installed in specific areas. Also, do not mix dyelots in the same area. Do not install any material with visible defects. Side seams shall be lapped a minimum of 1" and end seams a minimum of 2". Double cut through side and end seams using metal straight edge prior to adhesive bonding. Fold back sheet of approximately half way. Apply adhesive. Please note adhesive instructions on the adhesive container.
- Roll flooring into adhesive with a 100 lb. roller immediately upon installation of flooring. Once rolled, the floor is ready for immediate use.
- After sheet vinyl has been installed for a minimum of 1 hour, you can then proceed with the welding of all side and end seams. Sheet Vinyl should be heat welded with corresponding heat weld.
- When heat welding, it is recommended it be done by experienced personnel with a minimum of 5+ years' experience or Master Mechanic certification. Leister or Zinser heat welding equipment is recommended.
- When trimming weld rod following placement of the weld on sheet products with heavy wood grain emboss, TAJ Flooring, Inc. recommends using a WDD18M Mozart Trimming Knife. The Mozart knife will allow for accurate trimming without damage to the emboss of the sheet flooring.
- For the first 12 hours, normal foot traffic is allowed. Movement of heavy equipment or furniture should not be done until after 24 hours after installation with using TAJ 585 adhesive. If you must move heavy furniture or equipment in an emergency prior to 24 hours, it is important to protect the surface of the sheet vinyl with heavy wood planks or ½" thick plywood to protect the surface from damage. TAJ Eco Bond adhesive requires only a 4 hour waiting period.

### **Protection:**

1. The floor is designed to properly support a static load of 1100 psi. Furniture, equipment, and rolling loads should not exceed these limits. If they do, legs of such equipment and furniture should be properly supported to prevent damage to tile or planks. Protect floor surface with wood or sheets of plywood whenever heavy equipment or furniture must be moved
2. Chair pads are recommended under chairs with roller casters.
3. Felt pads are recommended under chairs with sharp or unprotected edges to prevent scratching.