

# Technical Data Sheet (TDS)

## TI-15 Pressure-Sensitive Adhesive

### for Luxury Vinyl Tile & Plank



Train Industries · Houston, TX · [www.train-industries.com](http://www.train-industries.com) · (281) 766-9506 | First edition: May 15, 2026

## DESCRIPTION

TI-15 is a premium pressure-sensitive adhesive developed for the installation of luxury vinyl tile and plank. It pairs an aggressive, powerful bond with a long working time, giving installers room to work without giving up hold. TI-15 trowels smoothly, dries quickly, and — while still fresh — cleans up with nothing more than warm soap and water. Once the floor is down, the bond stays elastic and tacky and resists aging.

## SPECIAL FEATURES

- Aggressive, powerful bond built for LVT and LVP
- Long working time; spreads easily and dries quickly
- Handles subfloor moisture up to 99% RH (ASTM F2170)
- Installs dry-lay (pressure-sensitive) or wet-lay
- Bond stays elastic and tacky — resists aging
- Very low odor on the jobsite
- Zero VOC (calculated per CA Rule 1168)
- CRI Green Label Plus certified — “low VOC” adhesive
- Contributes toward LEED credits
- Nonflammable, water-based dispersion
- Cleans with warm soap and water

## APPROVED FLOORING & SUITABLE SUBSTRATES

**Approved flooring:** Luxury Vinyl Tile (LVT) and Luxury Vinyl Plank (LVP). For interior use only.

**Approved substrates (properly prepared):** concrete slab; OSB and plywood (underlayment grade); felt-backed sheet vinyl (well bonded, sanded, and asbestos-free); cured leveling compounds; radiant-heated subfloors; and VCT (well bonded, sanded, and asbestos-free). All subfloor constructions must meet the specific requirements of the floor covering to be installed. See Limitations for the installation method required over non-porous substrates.

## SUBFLOOR EXAMINATION & PREPARATION

Prior to installation, verify the subfloor is solid, sound, flat, permanently dry, clean, and free of indentations and anti-adherents. Moisture content in concrete must not exceed 12 lbs/24hr/1,000SF (Calcium Chloride Test, ASTM F1869) or 99% RH (in-situ test, ASTM F2170). The following conditions must not be present: hydrostatic pressure, vapor emission issues, compromised vapor barrier, standing water, or excessive topical moisture.

Remove all dust, paint, residual adhesives, and surface contaminants. Fill cracks and gaps with concrete crack filler (except expansion joints). Level to within 3/16" in 10 feet. Heated subfloors, gypcrete, wooden subfloors, levelers, patches, and lightweight concrete must be primed before application. All flooring manufacturer requirements for subfloor preparation, acclimation, and other installation conditions must be met prior to application of TI-15.

## INSTALLATION PROCEDURE

Apply TI-15 with the appropriate notched trowel, passing evenly at a 45° angle to avoid excessive adhesive thickness. Verify adequate adhesive transfer to the back of the flooring before proceeding. Roll the completed installation with a 75–100 lb. roller approximately 15–30 minutes after laying. Push down any raised edges approximately 30–60 minutes after installation.

**Dry-lay method (pressure-sensitive):** Allow adhesive to flash until it no longer transfers to the touch. Flash time: 45–75 minutes. Open time: this product will stay open on the floor for 24 hours; we suggest laying flooring within 6 hours to avoid contaminants, such as dust, from getting on the adhesive. Do not apply more adhesive than can be covered within the open time.

**Wet-lay method:** Substrate must be porous. Install flooring directly into the wet adhesive. Flash time: 20–40 minutes. Open time: up to 30 minutes.

## APPROXIMATE COVERAGE

| Flooring Type             | Trowel Size                                | Coverage per 4-gal. pail                        |
|---------------------------|--------------------------------------------|-------------------------------------------------|
| Luxury Vinyl Tile & Plank | 1/16" × 1/16" × 1/16" (1.5 × 1.5 × 1.5 mm) | 650 – 800 sq. ft. (60.4 – 74.3 m <sup>2</sup> ) |
| Luxury Vinyl Tile & Plank | 1/32" × 1/16" × 1/32" (0.8 × 1.5 × 0.8 mm) | 800 – 950 sq. ft. (74.3 – 88.3 m <sup>2</sup> ) |

*Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only; actual results may vary based on substrate condition, trowel selection, and installation technique.*

## CLEANUP

While adhesive is still fresh, clean smudges from the flooring surface and tools using warm soap and water. Address spills promptly, as dried adhesive is more difficult to remove. Cure time until normal traffic: approximately 24 hours.

## PRODUCT DATA

|                                       |                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| Color                                 | White                                                                                      |
| VOC content                           | 0.64% — 6.4 g/L / 0.05 lb/gal; Zero VOC (calculated per CA Rule 1168)                      |
| Concrete pH                           | Must be between 7 and 9                                                                    |
| Temperature during installation       | 50–90°F (10–32°C)                                                                          |
| Relative humidity during installation | 30–80%                                                                                     |
| Shelf life                            | 24 months in original, unopened container                                                  |
| Storage                               | Above 40°F (4°C); protect from freezing. If frozen, do not stir; allow to thaw completely. |
| Packaging                             | 4 U.S. gal. (15.1 L) plastic pail · 48 pails per pallet                                    |

## LIMITATIONS

- For interior use only.
- Over non-porous substrates (including existing VCT and felt-backed sheet vinyl), use the dry-lay (pressure-sensitive) method only, allowing full flash time. The wet-lay method may be used over porous substrates only.
- Withstands moisture up to the stated limits but does not qualify as a moisture inhibitor; do not use as a moisture control system below grade.
- Not suitable for areas with excessive topical moisture (melting snow, repeated flooding, pressure washing).
- Not suitable for exterior use or areas where year-round climate control cannot be maintained.
- Do not install over substrates containing asbestos or active cutback adhesive.
- Failure to follow all installation instructions will void the warranty.

## REGULATORY INFORMATION

Zero VOC (calculated per CA Rule 1168); certified by the CRI Green Label Plus Adhesive Certification Program as a “low VOC” adhesive; contributes toward LEED credits. Not regulated for transport (DOT, IMDG, IATA). All components listed as ACTIVE on the TSCA inventory. California Proposition 65: none of the ingredients is listed. Refer to the TI-15 Safety Data Sheet at [www.train-industries.com](http://www.train-industries.com) before use.

## ADDITIONAL INFORMATION

For the most current product data, technical support, and warranty information, visit [www.train-industries.com](http://www.train-industries.com) or scan the QR code on the product label. For technical questions, contact Train Industries at [info@train-industries.com](mailto:info@train-industries.com) or (281) 766-9506. Review all product documentation before installation; failure to follow installation instructions may affect product performance and will void the warranty.