



# CHAPCO® TROWELFAST™

## Vinyl Flooring Adhesive

### PRODUCT DATA

#### 1. PRODUCT NAME

CHAPCO® 778 TrowelFast™ Vinyl Flooring Adhesive



#### 2. MANUFACTURER

H.B. Fuller Construction Products Inc.  
1105 South Frontenac Street  
Aurora, IL 60504-6451 U.S.A.  
800.552.6225 Office  
800-832-9023 Technical Support  
800.952.2368 Fax  
chapco-adhesive.com

#### 3. DESCRIPTION

CHAPCO® TrowelFast™ Vinyl Flooring Adhesive allows for the ease of use throughout the flooring installation process, fast and efficiently. This breakthrough, user-friendly adhesive is ideal for vinyl tile, vinyl plank, vinyl composition tile and solid vinyl sheetgoods. Ideal for heavy rolling loads (hospital beds, furniture, etc.). This unique formulation dries quickly, has excellent resistance to moisture and alkali, provides a long open time, is easy to clean up, and exhibits low-odor.

#### Product Features

- Ideal for LVT, LVP, VCT, and solid vinyl heterogeneous or homogeneous sheetgoods
- Underlayments including reground rubber and cork
- Resists adhesive displacement and disbonding under heavy rolling loads (hospital beds, furniture, etc.)
- Fast drying; accepts flooring as soon as 10-20 minutes
- Extended open time allows flooring installation for up to 6-8 hours
- Heat weld as soon as 60 minutes
- Moisture resistant up to 99% RH / 10 lbs. MVER\*
- Solvent free and low VOC (VOC <1 g/L)
- LEED® Compliant and CRI Green Label Plus Certified

\*Over newly poured concrete, with declining moisture values, and an intact vapor barrier beneath the slab.

#### Packaging

3.5 U.S. Gallon plastic pail (13.25 L)  
Product #15036118

#### Coverage

Determine recommended trowel size based on the flooring type. Figures below are presented only as guidelines.

General Flooring Types	Recommended Trowel Size	Approximate Coverage
Standard Vinyl Flooring	1/16" x 1/32" x 5/64" U-Notch Trowel	270-290 ft <sup>2</sup> /US Gallon (25-27 m <sup>2</sup> /3.78 L)
Stiff Heavy Vinyl Flooring	1/16" x 1/32" x 1/32" U-Notch Trowel	225-250 ft <sup>2</sup> /US Gallon (21-23.2 m <sup>2</sup> /3.78 L)
Integrated Cushion Back	1/16" x 1/16" x 1/16" Square-Notch Trowel	190-220 ft <sup>2</sup> /US Gallon (17.7-20.4 m <sup>2</sup> /3.78 L)

#### Storage/Shelf Life

Store at a moderate room temperature. Protect adhesive from freezing. Refer to the Technical Data section of this Product Data Sheet (PDS), for more information. Maximum of 1 year from date of manufacture in unopened container.

#### Limitations

- Although adhesive may be used when ambient or surface temperatures are between 60°F-90°F (16°C-32°C), always follow flooring manufacturer's temperature, acclimation and installation guidelines for the vinyl flooring being installed.
- Always protect newly-installed vinyl flooring from heavy traffic, rolling loads, appliance or furniture placement for 24 hours after flooring installation.
- Do not use with fiberglass-backed vinyl sheetgoods, nor directly over peel and stick tile.

- Not recommended for use with felt-backed or mineral-backed vinyl sheetgoods, linoleum or rubber.
- Not for use in areas subject to flooding or water immersion.
- Do not use in coolers, freezers or seasonally used buildings subject to temperature or humidity extremes.
- Not recommended for use on stairs or vertical surfaces.
- May be used over in-floor heating systems, with a maximum floor temperature of 85°F, if allowed by the flooring manufacturer.
- Not for exterior use. Interior use only.
- The dimensional stability of some vinyl flooring products is very sensitive to fluctuations in ambient environment conditions. H.B. Fuller Construction Products Inc. is not responsible for installation issues caused by dimensional changes in flooring.
- Although TrowelFast™ is a moisture tolerant adhesive, it does not form a moisture vapor barrier and will not protect flooring from moisture damage. Please refer to flooring manufacturer's guidelines.

#### Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about guidelines for the proper use and application of the covered CHAPCO® brand products under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

#### 4. TECHNICAL DATA

CHAPCO® TrowelFast™ Vinyl Flooring Adhesive 778	
Base	Polymer latex
Physical State	Medium paste
Color	Off white
Open Time	6-8 hours depending on substrate porosity.
Weight per Gallon	8.7 lbs./gallon
VOC/Liter of Material	<1 gram (calculated)
Freeze/Thaw Stability	Stable for 3 cycles at 10°F (-12°C).
Storage	For optimal shelf life, store at a moderate room temperature, in closed containers, and protect this adhesive from freezing. If frozen, allow to return to room temperature slowly and stir before use. Avoid prolonged or repeated freeze thaw cycles.
Shelf Life	Maximum of 1 year from date of manufacture, in unopened container.

#### 5. INSTALLATION INSTRUCTIONS

##### Suitable Substrates

When properly prepared, suitable substrates include:

- Concrete (all grade levels)
- Underlayment grade plywood
- Gypsum substrates (properly prepared)
- Well bonded, smooth, wax-free, existing single layer non-cushioned resilient flooring

##### Preparation of Surfaces

Floor must be clean, smooth, dry, and free of any foreign matter that would interfere with a good bond. Existing adhesive must be removed by mechanical means, such as shot blasting or scarification. Be sure to use proper safety equipment for hazardous materials as old cutback adhesive

RESILIENT ADHESIVES



may contain asbestos. Harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Consult all applicable government agencies for rules and regulations concerning the removal of floorings and adhesives that contain asbestos. Do not use solvents or liquid adhesive removers. Fill all cracks and depressions with a suitable CHAPCO® cement-based floor patch and/ or underlayment. Best practices for cleaning typically include vacuuming and damp mopping. The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 60-95°F (15-35°C), and between 30-65% relative humidity, for at least 72 hours before, during and after the installation.

**Moisture Test:** Concrete moisture testing should be performed by ASTM F1869 calcium chloride tests with moisture levels not to exceed eight (8) pounds per twenty-four (24) hours per one thousand (1000) square feet, or ASTM F2170 in situ relative humidity test with readings not to exceed ninety (90) percent on existing slabs. New construction projects or green slabs with declining moisture values and an intact vapor barrier beneath the slab per ASTM E1745 can have a moisture vapor emission rate of up to ten (10) pounds per twenty-four (24) hours per one thousand (1000) square feet or ninety-nine (99) percent relative humidity when tested in accordance with ASTM F2170. In addition, the concrete must be fully cured (at least 45 days) and without hydrostatic pressure. All substrates should be prepared in accordance with ASTM F710.

For existing concrete with a prior history of uncorrected moisture conditions or problems, treat the concrete with one of the following CHAPCO® brand moisture mitigation solutions:

CHAPCO'S DEFENDER™ - apply per PDS instructions and allow to cure. Once cured, apply CHAPCO® MP Multi-Purpose Primer followed by application of a minimum 1/8" thickness of the appropriate CHAPCO® cementitious floor patch. If thicker cementitious smoothing and leveling is needed, install a CHAPCO® self-leveling underlayment over the primed CHAPCO'S DEFENDER™. If the concrete is smooth and level enough to accept vinyl flooring and does not require a cementitious underlayment, TrowelFast™ Vinyl Flooring Adhesive may be applied directly to the cured CHAPCO'S DEFENDER™ surface.

CHAPCO® DEFENDER EZ™ - apply per PDS instructions and allow to dry. Apply a minimum 1/8" thickness of an appropriate CHAPCO® cementitious floor patch directly over the DEFENDER EZ™ (no primer required). If thicker cementitious smoothing and leveling is needed, install a CHAPCO® self-leveling underlayment directly over the DEFENDER EZ™ (no primer required). If the concrete surface is smooth and level enough to accept vinyl flooring, a minimum 1/8" thickness of CHAPCO® cementitious floor patch must still be installed over DEFENDER EZ™ prior to application of the TrowelFast™ Vinyl Flooring Adhesive.

**Alkalinity Test:** Concrete alkalinity testing must be performed in accordance with ASTM F710. A pH range of 7-11 is satisfactory for this adhesive. Confirm the acceptable range for the flooring per the manufacturer's guidelines. A reading outside of either range requires corrective measures before flooring installation. Always follow flooring manufacturer's guidelines for acceptable levels of alkalinity for the vinyl flooring.

**Porosity Test:** Substrate porosity testing must be performed in accordance with ASTM F3191. First prepare the substrate to a clean, sound condition, free of any matter that would interfere with a good bond. To test porosity, place a drop of water on the substrate surface in several places; if the water is absorbed into the surface in less than 10 seconds, an application of CHAPCO® MP Multi-Purpose Primer is mandatory before the application of adhesive because the substrate is very porous. Follow PDS instructions for the primer dilution and application, then follow the specific adhesive installation instructions listed below.

## Application Instructions

1. Thoroughly read installation instructions on this Product Data Sheet (PDS), read the Safety Data Sheet (SDS), and read vinyl flooring manufacturer instructions regarding conditioning the vinyl flooring, prior to installation.
2. Substrate must be clean, dry, and free of dust, grease, paints, oils, or any other foreign material. Refer to complete instructions in Substrate Preparation section noted above.
3. Apply adhesive with appropriate trowel.
4. After application of the adhesive, vinyl flooring installation can begin when the adhesive becomes clear and does not transfer to fingertips when lightly touched (10-20 minutes under normal conditions). The open time to accept flooring is 6-8 hours. Once the vinyl flooring is installed, it must be rolled in both directions with a 100-150 pound three-section roller. Use a small hand roller in hard to reach areas.
5. Foot traffic is acceptable immediately after rolling the entire installation.
6. Rolling loads, appliance or furniture placement for 24 hours after flooring installation.
7. Heat welding may be performed as soon as 60 minutes.

## Clean-up

Easy clean-up. Remove wet adhesive with a damp cloth. Remove dried adhesive using a cloth dampened with denatured alcohol.

## 6. AVAILABILITY

To locate a distributor in your area, please contact:

phone: 800-832-9002

website: [chapco-adhesive.com](http://chapco-adhesive.com)

## 7. LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. **H.B. Fuller Construction Products disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product.** For Limited Warranty details visit [chapco-adhesive.com](http://chapco-adhesive.com). To obtain a hard copy of the Limited Warranty call H.B. Fuller Construction Products at 800-832-9023 or mail a written request to the address in Section 2 of this Product Data Sheet.

## 8. MAINTENANCE

Not applicable.

## 9. TECHNICAL SERVICES

### Technical and Safety Literature:

To acquire Technical and safety literature, please visit our website at [chapco-adhesive.com](http://chapco-adhesive.com).