



**CHAPCO™**

# CHAPCO® Safe-Set® 299

## Premium Vinyl Tile Adhesive

### PRODUCT DATA

#### 1. PRODUCT NAME

CHAPCO® Safe-Set® 299 Premium Vinyl Tile 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

All CHAPCO® Safe-Set® adhesives are solvent-free, non-flammable, freeze/thaw stable, and nearly odor-free. Safe-Set adhesives can be used where other adhesives might present potential health risks. They are suitable for office buildings, hotels, hospitals, schools, restaurants, nursing homes, etc.

Safe-Set 299 should be used to install solid vinyl tile over porous and non-porous floors. Can also be used to install smooth rubber tile (12" x 12" maximum). It spreads easily, exhibits quick grab, and has excellent resistance to moisture and plasticizer migration.

#### Packaging

Four U.S. Gallon pail (15.14 L)  
Product #15035519

#### Coverage

Approximately 160-260 square feet per gallon. Coverage will vary with the type of floor covering and job conditions.

#### Storage/Shelf Life

Store indoors only. Protect from freezing. Adhesive is freeze/thaw stable to 10°F. Prolonged or repeated freeze/thaw cycles should be avoided. Should adhesive freeze, allow to thaw at room temperature and stir well before using. Maximum shelf life is 1 year from date of manufacture in unopened package.

#### Limitations

- The finished installation must be protected from moisture and/or freezing for a minimum of 48 hours.
- 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.

#### 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 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® Safe-Set® 299 Premium Vinyl Tile Adhesive	
Base	Acrylic Latex
Consistency	Thin Paste
Shelf Life	One Year, Unopened
Color	White
Weight per gallon	8.45 lbs.
Open Time	60 Minutes
VOC	3 g/L Calculated

#### 5. INSTALLATION INSTRUCTIONS

##### Preparation of Surfaces

Use on grade, above grade, or below grade (if the floor covering is recommended for below grade installations). May be used over plywood, hardboard, concrete, terrazzo, steel, and well-bonded, wax-free floor coverings. Use a high quality latex/portland cement patching compound to fill or level any irregular areas. The floor must be sound, dry, and free from dirt, dust, old adhesives, grease, wax, or other foreign matter. Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity, curing agents, and excessive moisture vapor emissions (5 lbs./1,000 SF/24 hrs.) On and below grade concrete must have a satisfactory moisture barrier beneath the slab. Do not use Safe-Set 299 where moisture is present in the concrete subfloor; moisture may retard or prevent the adhesive from setting. May be used over old cutback adhesive provided the following procedure is followed: scrape and remove the adhesive to expose at least 80% of the concrete surface. Random specs of adhesive and the appearance of a brown surface stain are acceptable.

##### Application Instructions

The adhesive, tile, and room should be maintained at a minimum temperature of 65°F for 48 hours prior to, during, and after installation. For porous subfloors apply the adhesive with a 1/16" x 1/16" x 1/16" square notched trowel; for non-porous subfloors use a 1/32" x 1/32" x 1/16" trowel. Immediately after spreading the adhesive, roll it with a short nap roller dampened with adhesive to flatten the adhesive ridges. This procedure will ensure that the trowel notch pattern does not telegraph through to the finished floor. When using the "wet-set method" of installation test the adhesive to see if it has "strings" and is moist to the touch before installing the floor covering. Check periodically to make sure there is full transfer of adhesive to the back of the floor covering.

When using the "tacky" method of installation allow the adhesive to become tacky before beginning the installation (adhesive should not transfer to the finger when touched). That set-up time will vary with the temperature, humidity, and porosity of the subfloor. To test, touch the adhesive lightly; if it does not transfer to your finger, proceed with the installation. Place the tiles into the adhesive within two hours of spreading. (Place carefully and accurately because the tiles cannot be repositioned easily). Within an hour of installation roll the entire floor with a 100 lb. roller. Roll twice, once in each direction. Restrict heavy foot traffic or rolling loads for at least 24 hours.

##### Clean-up

Dried adhesive can be difficult to remove; take care to remove wet adhesive from the surface of the material before it dries. Fresh adhesive (less than 8 hours old) can be removed with ice cold soapy water and wet cloth. Dried adhesive can be removed from carpet with mineral spirits or acetone. For dried adhesive film, use mineral spirits or acetone carefully, as these products can compromise the floor finishes. Always refer to the material manufacturer for proper dried adhesive removal procedures.

RESILIENT ADHESIVES



#### **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).



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