



# CHAPCO® Safe-Set® 90

## Premium Ceramic Tile Adhesive



### PRODUCT DATA

#### 1. PRODUCT NAME

CHAPCO® Safe-Set® 90 Premium Ceramic 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  
800.952.2368 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 90 is a multi-purpose mastic that can be used for installing ceramic and mosaic tile on floors and walls. This non-flammable, white adhesive may be used safely on most structurally sound interior surfaces not subject to constant, extreme moisture. It exceeds ANSI A136.1 (SB1992) TYPE I & II Specification. It exhibits excellent water resistance, is freeze/thaw stable, spreads easily, sets quickly, and is easy to clean up.

#### Packaging

One U.S. Gallon pail (13.7 L)  
Product #70-4737-5069

3.5 U.S. Gallon pail (13.13 L)  
Product #70-4782-1269

#### Coverage

Floors— Approximately 12-18 square feet per gallon.  
Walls— Approximately 25-30 square feet per gallon  
(Trowel size will dictate coverage.)

#### 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

Full cure takes 48-72 hours; the finished installation must be protected from moisture and/or freezing for a minimum of 24 hours. THIS ADHESIVE IS NOT RECOMMENDED FOR LUG-BACK QUARRY TILE OR FOR SETTING CERAMIC FIXTURES.

#### 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® 90 Premium Ceramic Tile Adhesive	
Base	Acrylic Latex
Consistency	Medium to Heavy Paste
Shelf Life	One Year, Unopened
Color	White
Weight per gallon	12.9 lbs.
Open Time	30 Minutes
VOC	0 g/L Calculated

#### 5. INSTALLATION INSTRUCTIONS

##### Preparation of Surfaces

Use only on structurally sound interior surfaces such as plaster, gypsum wallboard, exterior or marine grade plywood, concrete masonry, and cement/fiberglass panels. All grease, calcium, loose, scaly paint, wallpaper, dust, and dirt should be removed before mastic is spread. Painted enameled walls and floors must be thoroughly scored or sanded to insure a bond to the original base wall and floor. Moisture areas such as shower and tub enclosures should be primed by spreading a skim coat of adhesive with the flat side of the trowel. Cut away plaster, wallboard, etc. 1/2" above tub or shower base and fill with mastic. Also fill around all pipe openings. INSTALLATIONS WHERE CONSTANT DAMPNES OR EXCESSIVE MOISTURE VAPOR EMISSIONS IS PRESENT ARE NOT RECOMMENDED.

##### 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. Apply only enough adhesive that can be covered in 15 minutes. DO NOT SET TILE IF SKIN HAS FORMED ON THE MASTIC. This time will vary with the temperature, humidity, and the subfloor. Apply the tiles with a slight twisting motion and tap firmly. THIS ADHESIVE IS NOT RECOMMENDED FOR LUGBACK QUARRY TILE OR FOR SETTING CERAMIC FIXTURES.

Floors—Use a 1/8" x 1/8" x 3/32" U-notched trowel for mosaic tile. For ceramic tile and quarry tile (8" x 8" maximum) use a 1/4" x 1/4" Square-notched trowel. Walls—Use a 3/16" x 5/32" V-notched trowel. Do not slide tiles against each other. Start tiling walls at the top or bottom. Tiles may be grouted when firm to the touch. Showers may be used 24 hours after grouting is completed. THIS ADHESIVE IS NOT RECOMMENDED FOR SETTING CERAMIC FIXTURES.

##### Clean-up

Fresh adhesive (and dried adhesive on resilient flooring) can be removed with a soapy, wet cloth.

#### 6. AVAILABILITY AND COST

To locate a distributor in your area, please contact:

phone: 800-832-9002

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

#### 7. WARRANTY

H.B. Fuller Construction Products Inc. offers a limited warranty on this product when installed in accordance with H.B. Fuller Construction Products Inc. printed specifications. Ask your sales associate or call 800-832-9002 for a copy of the limited warranty.

#### 8. MAINTENANCE

Not applicable.



**9. TECHNICAL ASSISTANCE**

Information is available by calling the Technical Support Hotline:

Toll-free: 800-832-9023

**Technical and Safety Literature:**

To acquire Technical and safety literature,  
please call 800-832-9023.



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