



CHAPCO™

CHAPCO® Safe-Set® 730

Linoleum Flooring Adhesive



PRODUCT DATA

1. PRODUCT NAME

CHAPCO® Safe-Set® 730 Linoleum 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
800.952.2368 Fax
www.chapco-adhesive.com

3. DESCRIPTION

CHAPCO Safe-Set 730 Linoleum Flooring Adhesive is solvent-free, non-flammable, freeze/thaw stable and virtually odorless when dry. Safe-Set 730 can be used where other adhesives might present potential health risks. It is suitable for office buildings, hotels, hospitals, schools, restaurants, assisted living facilities, etc. and contains micro-biocides to inhibit the growth of mold and mildew. Safe-Set 730 can be used to install linoleum sheet/tile materials over porous and non-porous substrates. It exhibits quick grab and spreads easily. CHAPCO Safe-Set 730 has excellent resistance to plasticizer migration and sets to a tough permanent bond.

Product Features

- For linoleum sheet and tile
- Quick grab/spreads easily
- Low VOC / low odor
- Solvent-free

Packaging

Four U.S. Gallon pail (15.14 L)
Product #70-7632-0369

Coverage

Coverage will vary with the type of floor covering and job conditions.

Substrate	Trowel	Coverage
Linoleum Tile on Porous Substrate	1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) square notched trowel	16-20 Yd ² /Gal. 150-180 Sq.Ft./Gal. (3.6-4.4 m ² /L)
Linoleum Tile on Non Porous Substrate	1/32" x 1/32" x 1/16" (0.8 x 0.8 x 1.6 mm) U-notched trowel	24-28 Yd ² /Gal. 220-260 Sq.Ft./Gal. (5.4-6.3 m ² /L)
Linoleum Sheet on Porous Substrate	3/32" x 3/32" x 3/32" (2.4 x 2.4 x 2.4 mm) V-notched trowel	12-14 Yd ² /Gal. 108-136 Sq.Ft./Gal. (2.6-3.3 m ² /L)
Linoleum Sheet on Non Porous Substrate	1/32" x 1/32" x 1/16" (0.8 x 0.8 x 1.6 mm) U-notched trowel	24-28 Yd ² /Gal. 220-260 Sq.Ft./Gal. (5.4-6.3 m ² /L)

Storage/Shelf Life

Store indoors only. Protect from freezing. Maximum shelf life is 1 year from date of manufacture in unopened package, at 70°F (21°C).

Limitations

Store indoors only. Protect from freezing. Adhesive is freeze/thaw stable 5 cycles to 0°F (18°C). Prolonged or repeated freeze/thaw cycles should be avoided. Should adhesive freeze, allow to thaw at room temperature and stir well before using. The finished installation must be protected from moisture and/or freezing for a minimum of 48 hours. Restrict heavy foot traffic and rolling loads for 24 hours. Do not wash or wax the floor for a minimum of 48 hours after installation. For interior use only.

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 730 Linoleum Flooring Adhesive	
Base	Acrylic
Color	Light Tan to Gray
Density	10.3 lbs/gal (1.23 kg/L)
VOC	4 g/L
Consistency	Medium Paste
Open Time	45 minutes* – porous substrates 60-90 minutes* – non-porous substrates
Shelf Life	1 year at 70°F (21°C), unopened

*Open time will vary depending on temperature, humidity and sub-floor porosity.

5. INSTALLATION INSTRUCTIONS

Suitable Substrates

Concrete - on, above or below grade, in the absence of excessive moisture and alkali; plywood - APA standard underlayment grade or better; Multiply Underlayment; latex cement based underlayment; and well bonded, smooth, wax-free, existing single layer non-cushioned resilient flooring. May be used over properly installed radiant heated subfloors if allowed by the floorcovering manufacturer and the surface temperature does not exceed 85°F (29°C).

Preparation of Surfaces

Moisture Test Methods: A moisture test is essential on all concrete floors. Two methods are recognized- ASTM F1869 (calcium chloride test) or ASTM F2170 (relative humidity). Care should be taken to follow proper testing procedures for each to insure accuracy. Testing should be performed in several areas including the perimeter of the room, at columns, and wherever else moisture might occur. The moisture level from the concrete should not exceed 6 lbs./1,000 sq. ft. (2.72 kg/93 m²) or 82% RH in a 24 hour time period. If the concrete exceeds the moisture limitations, the installation should not proceed until the problem is corrected. Moisture problems can be corrected by using various methods. After remediation, always retest to ensure that the problem has been corrected. A moisture test indicates the conditions at the time of testing only. A new concrete floor contains a high percentage of moisture; therefore, it must be allowed adequate drying time. This drying time normally requires 28 to 30 days, but can vary depending on many conditions including the type of concrete used, average air temperature, and the design, thickness or location of the slab.

pH Test: pH levels are important. A concrete slab should have a pH level between 7.0 - 9.0 before, during and after installation. Test Method is recognized - ASTM F710.

RESILIENT ADHESIVES



Preparation:

Safe-Set 730 may be used on all grade levels of concrete on-, above, or below grade, in the absence of excessive moisture; plywood - APA standard underlayment grade or better; Multiply Underlayment; fiber-cement underlayment; latex cement based underlayment; and well bonded, smooth, wax-free, existing single layer non-cushioned resilient flooring. May be used over properly installed radiant heated subfloors if allowed by the floor covering manufacturer and the surface temp does not exceed 85°F (29°C).

Make sure all subfloors are clean, dry, free of dirt, dust, old adhesives, grease, wax, and other foreign matter that might interfere with the adhesive bond. Painted or varnished surfaces must be sanded and dust-free. Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity, curing agents, and excessive Moisture Vapor Emission Rate (MVTR).

Use a high-quality latex cement based-type patching compound to fill or level any irregular areas.

The subfloor, flooring material, and adhesive must be acclimatized to the installation area for a minimum of 48 hours prior to installation. The area should be fully enclosed, weathertight, with permanent HVAC system set and maintained at a minimum temperature of 65°F-72°F (18°C-22°C) for 48 hours prior to, during, and after installation.

It is essential that moisture tests be performed on all concrete subfloors regardless of grade level or whether or not the concrete is freshly poured or is classified as an older slab. Moisture testing should be performed using ASTM F1869 (calcium chloride test) or ASTM F2170 (relative humidity). Moisture levels should not exceed 6 lbs./1,000 sq. ft. (2.72 kg/93 m²) (CC) or 82% RH in a 24 hour time period. If test results exceed the limitations, the installation should not proceed until the problem is corrected. pH testing should be performed using ASTM F710.

Safe-Set 730 is recommended for porous and non-porous applications. Trowel selection will be determined by the subfloor porosity. To determine if a subfloor is porous, place two droplets of water in various areas. If the subfloor is porous, some of the water will be absorbed within 60 seconds.

Application Instructions

For porous substrates installing Linoleum Tile, apply adhesive using a 1/16 x 1/16 x 1/16 inch (1.6 x 1.6 x 1.6 mm) square notched trowel. Once troweled, the adhesive should be allowed to remain open (tack up) for 5-10 minutes before placement of the flooring material. Once placed, the material should be rolled immediately using a 35-75 lb. roller.

For non-porous substrates installing Linoleum Tile, apply adhesive using a 1/32" x 1/32" x 1/16" (0.8 x 0.8 x 1.6 mm) U-notched trowel. Once troweled, the adhesive should be allowed to remain open (tack up) for 5-10 minutes before placement of the flooring material. Once placed, the material should be rolled immediately using a 35-75 lb. roller.

Refer back to trowel selection chart for the proper trowel recommendation for installing Linoleum Sheet material.

The adhesive must be covered within 20 minutes, from the time the adhesive is allowed to remain open. (Dependent on temperature, humidity, and porosity of subfloor). Do not spread more adhesive than can be covered within the recommended time frame.

Clean-up

Remove wet adhesive immediately with a clean, damp cloth. Use denatured alcohol to remove dried adhesive. Do not apply denatured alcohol directly to flooring material as a loss of strength/gloss/texture may result. If flooring needs to be cleaned of excess adhesive material on the finished surface, use the denatured alcohol sparingly in a slight rubbing manner. When using denatured alcohol to remove dried adhesive residue, observe all precautions on the container label.

6. AVAILABILITY AND COST

To locate a distributor in your area, please contact:

phone: 800-832-9002

website: www.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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