



**CHAPCO**

# CHAPCO® 818

## Contact Adhesive

### PRODUCT DATA

#### 1. PRODUCT NAME

CHAPCO® 818 Contact 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's #818 Flammable Neoprene – Based Contact Bond Cement is a high performance solvent cement for practically any application, especially plastic laminates. No. 818 is excellent for industrial and residential use. No. 818 is water proof and heat resistant. Its viscosity allows it to be brushed, rolled or sprayed. For use over concrete, above, on and below grade, indoors in the absence of excessive moisture, hydrostatic pressure and alkali, plywood, APA grade particleboard, OSB.

#### Packaging

One U.S. Pint brush-top can (472 ml)  
Product #70-6521-5969  
One U.S. Quart can (945 ml)  
Product #70-6521-5169  
One U.S. Gallon can (3.7 L)  
Product #70-6521-5069

#### Coverage

Brush or Roller – 275– 300 sq. ft. per gallon  
Industrial Sprayer – 550– 600 sq. ft. per gallon

#### Storage/Handling/Shelf Life

EXTREMELY FLAMMABLE. Store between 40°F and 100°F. Keep container tightly closed except when in use. Always store in an upright position. Keep away from heat, sparks flame and all sources of ignition. Turn off all electrical appliances. Maximum shelf life is 1 year from date of manufacture in unopened package.

#### Limitations

For professional/industrial use only.

#### Cautions

EXTREMELY FLAMMABLE! For professional/industrial use only.

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® 818 Contact Adhesive	
Base	Solvent
Consistency	Medium Paste
Shelf Life	One Year, Unopened
Color	Light Tan
Weight per gallon	9.3 lbs.
Open Time	15-20 Minutes
VOC	376 g/L

#### 5. INSTALLATION INSTRUCTIONS

##### Preparation of Surfaces

Ensure that surface is sound, smooth and level, free of depressions and protrusions. The surface must be free of loose paint, varnish, curing agents, parting compounds, oil, grease, wax and any other contaminant that may hinder the performance of an adhesive. Secure loose tiles, boards, and etc. by re-nailing and/or re-gluing. Preheat building to a minimum of 65°F and 35%-65% relative humidity, 48 hours prior to and after installation. Store unwrapped product and adhesive at a minimum of 65°F and 35%-65% relative humidity 48 hours prior to installation, preferably on site. This acclimation will reduce expansion and contraction. Remove dirt and dust by vacuum. Perform a POROSITY TEST on substrate. (See Porosity Test). This will help determine how many coats of adhesive you will need and how fast the adhesive will cure. Determine the appropriate application method to use. (See Coverage).

**Porosity Test:** Porosity pertains to the absorption rate of the substrate. Impervious substrates such as plastic laminates, vinyl and rubber absorb very little, if any, moisture. Concrete and wood have variable porosity, depending on whether they are sealed or not. This absorption can affect the drying rate of an adhesive. More porous substrates will require an extra coat of adhesive and cause an adhesive to dry faster, while an impervious substrate will retard the drying rate. To test the porosity of substrate, pour a small amount of water in several areas throughout. If the water beads up, the substrate is very dense or sealed and is relatively non-absorbent. In these conditions, an adhesive will "tack up" at its normal rate. If the water is absorbed rapidly, the substrate is porous. This will reduce the drying time of an adhesive. You will want to apply a thick primer coat of adhesive, allow to dry and then apply a regular coat of adhesive.

##### Application Instructions

Determine the appropriate method to be used (see Coverage). Calculate the amount of adhesive you will need by using the approximate spread rates (rates will vary according to each substrate.) Stir cement thoroughly. Brush, roll or spray adhesive to both surfaces to be bonded. Make sure you coat 100% of the surface, and apply a smooth, even layer. Avoid excessive re-brushing and pooling of cement. Apply second coat if necessary (see Porosity Test). Allow to dry. Let dry completely (10- 15 minutes, depending on conditions). Use fans to accelerate drying time. Both surfaces should be clear and glossy when dry. Mate contact cement surfaces within 3 hours of spreading cement. If over 3 hours has elapsed, reapply adhesive. Press together firmly and roll with a hand roller. The bond, will be immediate and permanent, so make sure all surfaces are aligned. Cutting and finishing can be performed immediately. Allow to cure for 72 hours prior to rigorous use.

##### Clean-up

Clean-up adhesive with suitable solvent when wet (CHAPCO #51 Non-Flammable Cleaning Solvent). When dry, adhesive should rub off. If it does not, use a white cloth and suitable solvent to rub off.

CONTACT ADHESIVES



**6. AVAILABILITY AND COST**

To locate a distributor in your area, please contact:

phone: 800-832-9002

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