

# WATERPROOFING

## CAV-GRIP™

### Description

CAV-GRIP is a multi-purpose, low-VOC aerosol contact adhesive recommended for enhancing bond of CCW self-adhering sheet products and for bonding MiraDRAIN® and board insulation to various substrates. The self-contained spray system delivers a low-pressure web, which allows quick and even coverage without bounce-back. CAV-GRIP is a low-VOC, methylene chloride-free formula.

This unique formula allows tenacious adhesion and quick drying over a wide temperature range. The self-contained spray system consists of #40 pressurized aerosol cylinders with a special attachment for a spray hose and gun.

### Features and Benefits

- With proper operation, requires no clean-up or maintenance
- Low-cost, quick-and-easy solution for proper installation of CCW self-adhering flashings and MiraDRAIN and board insulation
- Ideal for enhancing the bond of CCW 705 Air & Vapor Barrier, CCW 705 TWF, CCW 705 Air and Vapor Barrier Strips, CCW Barritape™, and CCW MiraDRI 860/861 to substrates
- Ideal for bonding MiraDRAIN drainage composite to substrate, including the surface of CCW waterproofing membrane
- Ideal for bonding polystyrene foam and board insulation to substrate, including surface of waterproofing and air/vapor barrier membranes

### Installation

Connect gun to hose and connect hose to cylinder. Use lithium grease or petroleum jelly on all fittings and take care not to cross-thread them. Open valve on cylinder to check fittings for leaks.

CAV-GRIP can be applied at ambient temperature of 25°F and up. Propellant in cylinders needs to be maintained above 60°F for the product to spray well. Substrate shall be clean and dry, free of debris and contaminants.

For application at ambient temperature below 60°F, store cylinders in heated space and move to project area during application. Cylinders can be kept warm on the jobsite by placing them in a cooler with a heating pad. Otherwise, dispense product from cylinder while it is still warm. When product in cylinder becomes too cold, it will begin to spit rather than spray. At this point, swap cold cylinder for warmer one and return

cold cylinder to heated area. When changing cylinder, close the valve on the cylinder and depressurize the hose. Remove the hose and attach to the new cylinder. Open valve and do a test spray.

Apply CAV-GRIP in thin, even coating to substrate, as shown in the drawing. Avoid high thickness build-up. Keep gun perpendicular to surface during spray.

### CCW Self-Adhering Flashing/Membrane Application

Allow CAV-GRIP to dry until it does not transfer to finger when touched. Limit application of CAV-GRIP to surfaces that will be covered with flashing/membrane the same day.

### MiraDRAIN and Polystyrene Foam Insulation Board Attachment

Do not apply CAV-GRIP directly to insulation. Apply CAV-GRIP to substrate. Bond insulation or MiraDRAIN over CAV-GRIP as soon as possible after application to allow solvent-laden adhesive to bite into polystyrene polymer. Provide permanent attachment of insulation board above grade by fastening. Provide permanent attachment of MiraDRAIN or insulation board below grade with backfill.

### Surface Preparation for Gypsum-Sheathing with Glass-Mat Facers

When installing CCW sheet membranes and sheet flashings over gypsum-sheathing with glass-mat facers, coverage rates for contact adhesives and primers will depend on the porosity and texture of the sheathing and will vary substantially by gypsum-sheathing brand and manufacturer. To achieve consistent contact adhesive and/or primer coverage with adequate tack, it may be necessary to decrease the coverage rate (i.e. Increase the amount applied) of the contact adhesive and/or primer and/or the application of multiple coats. CCW Contact adhesives and primers shall be allowed to dry completely (lower temperatures will extend drying time) before additional coats are applied or membranes installed. Caution should be taken as contact adhesives and/or primers applied to gypsum-sheathings with glass-mat facers will take longer to dry than other substrates. Multiple adhesion tests should be performed randomly to verify proper application of primer and ensure a successful application.

**Clean Up:** Use safe solvent to remove from skin. Safe solvent or mineral spirits can be used to clean tools and surfaces. Free stuck valve on gun by attaching hose and gun to cylinder of UN-TACK and triggering gun repeatedly until operation is smooth. If the gun is clogged, a small-gauge wire or torch clean-out tool is helpful after soaking the brass fitting in mineral spirits.

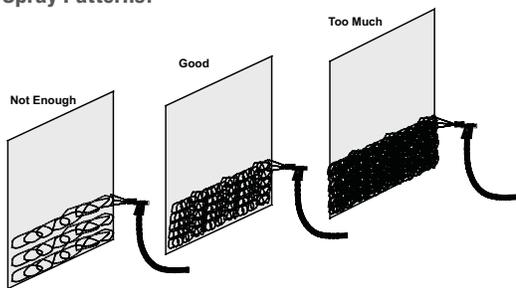
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**Cylinder Disposal:** When all primer has been used from cylinder, close cylinder valve and evacuate hose and gun before disconnecting hose from cylinder. If hose is not to be connected to a new cylinder immediately, do not evacuate hose and gun to ensure primer does not harden in gun and hose. Clean up primer residue, gun and spray tips with UNN-GRIP 798-ES, mineral spirits or similar solvent. In most areas, the empty cylinder can be disposed as an aerosol can or recycled as scrap metal. If disposal is not allowed in your area, contact your distributor for disposal arrangements. Federal law forbids transportation if refilled.

**Disposal:** Read "Cylinder Disposal" section on cylinder label. If new cylinder is not immediately available, do not evacuate hose and gun. Leave pressure on to help prevent adhesive from hardening in hose and gun.

### Spray Patterns:



### Warnings and Hazards

Flammable liquid propellant and vapor. Keep away from open flame. Use with adequate ventilation. Avoid inhalation of spray mist or vapors. Harmful or fatal if swallowed. May cause eye irritation. Keep out of reach of children. Review Material Safety Data Sheet for complete safety information prior to use. Use of goggles and gloves recommended. Aerosol cylinders are not refillable and when empty are harmless and disposable. Dispose according to local codes and laws. Read safety precautions and warnings on cylinder label. Wear gloves and goggles before using this product. Do not aim spray gun at people or animals at any time.

For Industrial Professional Use Only.

### Storage

Store cylinders in protected, conditioned space with temperature maintained above 60°F. Do not store cylinders in areas where temperature reaches 110°F or higher. Contents are flammable. Store in accordance with local, state and federal regulations. Keep cylinder valve open, hose and gun pressurized and gun trigger locked. Periodically spray in safe manner to help prevent possible clogging.

### Packaging

Product	Size / Weight	Part Number
CAV-GRIP	#40 aerosol cylinder, Gross weight: 38 lbs, Fill weight: 30 lbs of adhesive	305432
6' Hose	6' length	304302
12' Hose	12' length	304304
18' Hose	18' length	304304
Spray Gun Including Nozzle	–	304300
UN-TACK	#9 Aerosol Cylinder	308607

### Typical Properties

Property	Typical Value
Color	White
Consistency	Aerosol spray
Spray Pattern	Variable web
Odor	Low
Base	Rubber/solvent blend
Solvent	Cyclohexane/acetone
Coverage	50 – 55 ft <sup>2</sup> /lb of adhesive* 1 cylinder: 1,500 – 1,650 ft <sup>2</sup>
Drying Time	5 minutes**
Adhesion	Excellent
Service Temperature	-30°F to 200°F
Flammability	Flammable when wet. Non-flammable when dry.
Water Resistance	Excellent
Mildew Resistance	Excellent
VOC	80 g/l

\* Approximate Coverage, \*\* Or more depending on climate conditions

### Limited Warranty

Carlisle Coatings & Waterproofing Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price. This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Carlisle specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.