

### Air Assisted Canister Adhesive

#### DESCRIPTION

Chem-Set<sup>TM</sup> CMT3079 is a non-flammable, non-methylene chloride, OTC-Compliant\*, HAP-Free solvent, air assisted canister contact adhesive.

#### BENEFITS

- Excellent adhesion to a variety of substrates including, but not limited to laminates, particle board, plywood, hardwood, leather, rubber, and metal
- High solids means extended mileage
- Air Atomization control allows for softer spray to reduce telegraphing and allow for greater control of pattern
- High bond strength and high heat resistance
- OTC-Compliant\*
- Fast Drying

#### HANDLING & APPLICATION

- Always utilize PPE as suggested by the safety data sheet for this product.
- Attach Chem-Set<sup>TM</sup> Adhesives to the fluid connection on your air atomizing spray gun. This part accommodates most commonly used air atomizing adhesive spray guns.
- Attach the opposite end of the hose fitting to the canister. You cannot reverse this setup.
- Attach your air supply hose to the gun.
- It is recommended that plumber's tape be used on the fittings to ensure an airtight seal. Check the fittings again for tightness.
- Slowly open the valve on the top of the canister and check for leaks. Halfway is recommended at first.
- When the hose is connected, keep canister valve open and hose pressurized at all times.
- Do not disconnect the hose until ready to connect to new canister. Close valve and release pressure in hose before disconnecting from canister.
- Do not use with spray equipment containing copper or aluminum components.
- This adhesive is not recommended for use with plasticized vinyl, flexible plastics, expanded/extruded polystyrene, polyethylene, or polypropylene.
- Use only in well-ventilated areas.

**PLEASE REFER TO THE SAFETY DATA SHEET FOR FURTHER INFORMATION.**

**AVOID APPLICATION EQUIPMENT CONTAINING ALUMINUM OR COPPER. AVOID COPPER OR COPPER ALLOY SUBSTRATES.**

#### TYPICAL PHYSICAL PROPERTIES

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| <b>Adhesive</b>   | Non-Flam / Non-Flam Adhesive / Propellant                 |
| <b>Dry Time</b>   | 1–2 minutes                                               |
| <b>Open Time</b>  | 1 hour                                                    |
| <b>Color</b>      | Clear, Green                                              |
| <b>VOC</b>        | 240 g/L                                                   |
| <b>Clean Up</b>   | T9<br>T9-CA or T5-CA (gun/hose)                           |
| <b>Shelf Life</b> | 1 year in unopened container                              |
| <b>HAP</b>        | HAP Free solvent                                          |
| <b>Pattern</b>    | Hybrid web/pebble with air atomization control            |
| <b>Mileage</b>    | CA-360 11904 sq. ft. bonded<br>CA-190 6294 sq. ft. bonded |

#### SIZE AVAILABILITY

190 lbs.  
360 lbs.

#### STORAGE CONDITIONS

- Rotate stock; use oldest first (FIFO)
- Store between 60 and 90°F
- Shelf life expires 1 year from manufacture date
- Do not store in direct sunlight
- Diminished performance may occur below 60° F. If so, Remove from concrete floor in cold temps.
- If frozen, return to room temperature. Some agitation may be required

#### ATTENTION

- Observe all labeled hazard precautions.
- Do not cut, puncture, or weld while hazard exists.
- Do not reuse empty container. Recycle, or dispose of, according to all federal, state, and local regulations.

**Use in conjunction with: Chem-Set<sup>TM</sup> adhesives product and an air atomizing adhesive spray gun. This product requires compressed air to properly spray.**



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## APPLICATION

1. Prepare the surface to be bonded. Ensure both surfaces are clean and free of dust, dirt, and grease.
2. Hold spray gun at a constant distance of between 6-10 inches (150-250mm) from the surface, allowing adhesive to cobweb across the surface with minimal overlap for thick laminates. Air atomization control will allow for a softer pattern if needed to accommodate for telegraph sensitive substrates.
3. Maintain a constant hand speed during spraying. Apply a consistent and thorough coating without allowing the adhesive to puddle or heavily wet the surface. Maximum bond strength is achieved with substrate coverage between 80-100% and a recommended coat weight minimum of 2.5-3.0 dry grams per square foot.
4. Maximum adhesion will be obtained by spraying opposing mating faces with an adhesive pattern at 90° angles to each other. (Example: Face one substrate vertically while spraying and face the other substrate horizontally.) Extra coverage is recommended at substrate edges.
5. Hold spray gun at 90° angle to substrate surface while spraying. Release trigger at end of each pass to optimize coverage.
6. Apply a minimum of 2.5-3.0 dry grams/sq. ft. For best results, apply two coats of adhesive to any porous surface: one base coat and a secondary topcoat. This ensures adequate layup, particularly on CARB 2 Particleboard and other similar surfaces. Allow the second coat to completely dry before assembly. The adhesive should cover 80% of the surface of the substrate. The coated substrate surface should exhibit a uniform glossy sheen when the adhesive is completely dry. Dull areas indicate insufficient coverage; Adhesive should be re-applied to these areas.
7. Make sure to coat all exposed edges and corners with two coats of adhesives. Allow the adhesive to dry completely before attempting assembly. (Dry time may vary due to humidity and temperature variations.) Test for dryness using back of hand only - surface should be tacky, but adhesive should not transfer to the skin.
8. Position substrates carefully and apply pressure. Work from the center of the substrate out to prevent bubbles and wrinkles. Apply adequate pressure (40-60 PLI) using nip roller. Proper use of a 3" J-roller will also provide proper pressure.

9. The bonded assembly is immediately able to be trimmed or routed. Full bond strength is achieved after 24-48 hours depending on temperature and humidity.

NOTICE TO PURCHASER: The information, data and suggestions for use of the materials given here are based on our best experience and knowledge, but we do not guarantee the results to be obtained in customer's processes. The products discussed are sold without any warranty regarding merchantability or fitness for a particular purpose or any other warranty express or implied. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Sellers and manufacturers only obligation shall be to replace such quantity of the product proved to be defective. Since the manufacturer of the described in this data sheet has no means of controlling the final use of the product by the consumer or user, it is the responsibility of the immediate purchaser and any intermediate sellers to inform the user of the purposes for which the product may be fit and suitable, and of the properties of the product, including the precautionary measures which must be taken in order to insure the safety of the user and of other third persons and property.

\*COMPLIANT IN STATES THAT HAVE ADOPTED OTC VOC LIMITS