

TECHNICAL DATA SHEET

DESCRIPTION

ACA-1000 is a high-strength, fast tack contact spray adhesive used to adhere wood, MDF, plastic, high-density foam and reveal/chamfer to concrete.

USE

For use in any general concrete construction application including tilt-up, cast-in-place formwork, precast, structural, and masonry. The ACA-1000 can also be used with the Dayton Superior Tilt Bracket Forming System as a supplemental bonding agent.

FEATURES

- California VOC compliant
- Non-Chlorinated
- Does not contain urea formaldehyde resins
- Adjustable spray pattern
- High solids
- Long open time

PROPERTIES

Viscosity: >100 cps
 Open Time: 60 minutes
 Dry time: 4-6 minutes

Note:

Keep aerosol off cold concrete floors during use. If adhesive is expelled wet or as a jet, aerosol is too cold- move to a warm environment and allow to thoroughly warm up before reusing.

VOC

Product code 100195 compliant with all VOC regulations including SCAQMD. Product code 220390 compliant with EPA, OTC, LADCO, CARB and Canada VOC regulations.

Estimating Guide

14 sq feet (1.30 sq M) per can (bonded surfaces)

Packaging

PRODUCT CODE	PACKAGE	SIZE	
220390	12 Cans Per Case	13.0 Fluid Oz (0.38 L)	EPA, OTC, LADCO & Canada compliant
100195	12 Cans Per Case	13.0 Fluid Oz (0.38 L)	CA compliant

COLOR

Natural

STORAGE

Shelf Life: 1 Year
 Store product at 50-80°F (10-27°C) for maximum storage life. Higher and lower temperatures can effect adhesives performance.

APPLICATION

ACA-1000 is suitable for permanent bonding of a variety of materials. For bonding to metal, surface preparation is very important- surface must be degreased and lightly abraded with fine abrasive or non-woven material.

Always test ACA-1000 to determine suitability for your particular application prior to use in production.

Prepare the surface to be bonded, ensuring both faces are clean, free of dust, dirt and grease. Hold spray can 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 or approximately 50% to 70% overlap to successive passes for thin laminates to reduce the risk of telegraphing. Maintain a constant speed of application during spraying applying a consistent and thorough coating without allowing the adhesive to puddle or heavily wet the surface.

Maximum bond strength is achieved with coverage of between 80-100% with a recommended coat weight of minimum 2.5 dry grams per square foot. Maximum adhesion will be obtained by spraying mating faces at 90° angle to each other, i.e. one face vertically, the other face horizontally. Double coating perimeter of face and edges is recommended. Do not angle spray gun or move in an arc while spraying. Hold gun at 90° angle to surface while spraying. Release trigger at end of each pass to optimize coverage. Substrates which are difficult to bond, e.g. metal faces, or products with memory, may require a 2nd coat.

Best results are obtained by double coating rather than one heavy coat; which may result in heavy wetting of surface and extended drying times. Allow adhesive to 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. Position substrates correctly and press together working from center outwards. Apply adequate pressure using a roller and body weight in order to achieve at least 35 psi at the glue line.

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Note that repositioning is not possible after contact has been made. Immediate trimming/routing is possible. Full strength is achieved after 24-48 hours depending on temperature and humidity.

CLEAN UP

Pry material off surface using flat edged tool . Scrape surface with flat edge tool to remove large debris and excess adhesive. For best results apply Citrus Cleaner J48 to remaining adhesive, wait approximately 5-10 minutes and scrape surface, repeat if necessary. Pressure wash surface.

LIMITATIONS

Do not use in areas where architectural finish is desired without pretesting, as product may cause minor concrete discoloration. **NOT RECOMMENDED** for use with plasticized vinyls, flexible plastics, expanded/ extruded polystyrene, PE or PP.

FOR PROFESSIONAL USE ONLY

Use in only well ventilated areas.
Do not thin or reactivate with solvents.
Do not puncture or incinerate canister.
Do not expose to extreme heat over 100°F (38°C).
Keep away from sources of ignition.
Do not store in direct sunlight.
Test for suitability before use.

PRECAUTIONS

Extremely Flammable

PRECAUTIONS**READ SDS PRIOR TO USING PRODUCT**

- Keep material and containers away from high heat, open flames, sparks or other sources of ignition
- Use with adequate ventilation
- Wear protective clothing, gloves and eye protection (goggles, safety glasses and/or face shield)
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, seek medical help immediately
- May cause skin irritation upon contact, especially prolonged or repeated. If skin contact occurs, wash immediately with soap and water and seek medical help as needed.
- If eye contact occurs, flush immediately with clean water and seek medical help as needed
- Dispose of waste material in accordance with federal, state and local requirements

MANUFACTURER

Dayton Superior Corporation
1125 Byers Road
Miamisburg, OH 45342
Customer Service: 888-977-9600
Technical Services: 877-266-7732
Website: www.daytonsuperior.com

WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. **THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.**

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.