



MILCO

Concrete Concepts, LLC

Adjust-a-Trak Penetration-free Forming System™

MILCO SPRAY ADHESIVE APPLICATION

INSTRUCTION SHEET FOR PRECAST

(REVISED 1-16-2007)

CAREFULLY READ & FOLLOW ALL PRECAUTIONS AND APPLICATION INSTRUCTIONS
BEFORE USING THIS PRODUCT!

Adjust-a-Trak PENETRATION-FREE FORMING SYSTEM™

The principal components of the MILCO *Adjust-a-Trak*™ Penetration-free Forming System include:

- MILCO Spray Adhesive
- MILCO “Adjust-a-Trak” **CommonTrak**™ and **EdgeTrak**™ — re-useable, height-adjustable PVC channel tracks for holding panel forms in place which are installed against a chalk line on a casting bed floor with MILCO Spray Adhesive.
- TrusJoist® TimberStrand® 1½” x 18' and 36' LSL edge and common panel forms
- MILCO **FormBlock**™ panel form support blocks
- Premium Moisture-resistant “MR MDF” for reveal, chamfer, etc.
- 3M™ Citrus Base Adhesive Remover for surface cleaning
- Shopware Spray Adhesive Applicators

MILCO SPRAY ADHESIVE PRODUCT WARNINGS

DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR, MAY CAUSE FLASH FIRE. CONTENTS UNDER PRESSURE. MAY CAUSE EYE AND SKIN IRRITATION. VAPOR OVEREXPOSURE MAY CAUSE RESPIRATORY TRACT IRRITATION AND CENTRAL NERVOUS SYSTEM DEPRESSION. THIS PRODUCT IS INTENDED FOR OUTDOOR USE ONLY. For additional Product Safety and Health Information: See product label or refer to Material Safety Data Sheet (MSDS) at "<http://www.milco-tilt-up.com>" or call 1-800- 243-4360.

MILCO USER LICENSE AGREEMENT

MILCO CONCRETE CONCEPTS, LLC is the owner, holder or licensee of one or more provisional patent application(s), patent application(s), patent(s) and/or copyright(s) related to the use of the MILCO SPRAY ADHESIVE product in the commercial construction industry and the method(s) of application described and set forth in these Instructions, in the MILCO website, on product labels, specification sheets and elsewhere. A one-time limited use license, the cost of which is included in the purchase price of the MILCO SPRAY ADHESIVE product, is granted to the product purchaser and/or end user of this adhesive product until such time as the adhesive product is spent. Use of the MILCO SPRAY ADHESIVE product by purchaser and/or end user constitutes user's agreement to the terms and conditions recited in any label, instruction sheet, product literature and/or in any or warnings furnished with the MILCO SPRAY ADHESIVE product. The use of any other spray adhesive product(s) in conjunction with the application method(s) expressed herein without the prior written consent of MILCO CONCRETE CONCEPTS, LLC is expressly forbidden and may constitute a violation of MILCO CONCRETE CONCEPTS, LLC's intellectual property rights. For more information concerning this limited use license, contact MILCO CONCRETE CONCEPTS, LLC.

LIMITED LIABILITY AGREEMENT

IMPORTANT WARRANTY NOTICE: MILCO Concrete Concepts, LLC and/or TrusJoist[®], a Weyerhaeuser Business, make no warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether these products are fit for a particular purpose and suitable for user's method of application. **LIMITATION OF REMEDIES AND LIABILITY:** If any of these products are proved to be defective, the exclusive remedy, at MILCO/TrusJoist's option, shall be to refund the purchase price of, or to repair or replace the defective product. MILCO Concrete Concepts, LLC and/or and TrusJoist[®], a Weyerhaeuser Business, shall not otherwise be liable for any loss(es) or damage(s), whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty or strict liability. The material contained in this Instruction Sheet could contain technical inaccuracies or typographical errors, and information may be changed, updated and deleted without notice. MILCO Concrete Concepts, LLC and/or TrusJoist[®], a Weyerhaeuser Business, may make improvements and/or changes in the products and/or the methods described in this document at any time.

EMPTY MILCO CYLINDER DISPOSAL & RETURN PROGRAM

DO NOT DISPOSE OF EMPTY CYLINDERS IN A GARBAGE CONTAINER OR LANDFILL

END-USER CUSTOMER: Please use the original cardboard shipping container and label provided by MILCO. Close cylinder valve and replace dust cap prior to return shipment. Contact your distributor or MILCO to arrange for pickup of empty cylinders. Freight is prepaid if returned in quantities of 9 or more 5-gallon cylinders per shrink-wrapped pallet. If quantity is less than 9 cylinders, please contact your distributor for consolidation. Contact your distributor or MILCO CONCRETE CONCEPTS, LLC for assistance or further information regarding pick-up.

MILCO DISTRIBUTORS: Please use the original cardboard shipping container and label provided by MILCO. Close all cylinder valves and replace dust caps prior to return shipment. Please use all description designations used on the original bill of lading by MILCO CONCRETE CONCEPTS, LLC when preparing the bill of lading for return shipment. Freight is prepaid if returned in quantities of 9 or more 5-gallon cylinders per shrink wrapped pallet. Contact MILCO CONCRETE CONCEPTS, LLC to arrange pick-up or for further information or assistance.

APPLICATION INSTRUCTIONS

The “MILCO / TrusJoist® *Adjust-a-Trak* Penetration-free Forming System” for reducing surface penetrations involves the use of a specific product — MILCO Spray Adhesive — combined with a specific application method and the utilization of complementary and compatible Weyerhaeuser / TrusJoist® construction products in concert with appropriate end-user training to assure optimum results in a wide variety of climatic conditions.

For optimum dependability, MILCO recommends that its Spray Adhesive product be applied only in conjunction with compatible MILCO-tested and approved third-party-manufactured products, including adhesive applicators, TrusJoist® forming materials and 3M™ surface cleaners. A list of compatible MILCO-tested and approved bond-breaker products may be found at the MILCO Website at “<http://www.milco-tilt-up.com>” in the “MILCO Product Information” section.

STEP 1 — APPLY ADHESIVE DIRECTLY TO CASTING BED SURFACE (PRIOR TO APPLICATION OF BOND-BREAKER / RELEASING AGENT):

MILCO Spray Adhesive should be applied directly to the casting bed surface in accordance with these Instructions.

IMPORTANT

If the casting bed surface has been cleaned with 3M™ Adhesive Remover Citrus Base prior to application of MILCO Spray Adhesive, allow at least 2 hours before applying ADHESIVE to allow the Adhesive Remover solvents to flash off.

STEP 2 - SURFACE CONDITIONS / APPLICATION TEMPERATURE / DRYING TIMES:

For best results, all surfaces to be bonded should be dry and free from dust, oil, grease, loose paint, etc.

DO NOT APPLY THIS PRODUCT OVER “FIBERMESH” OR SIMILAR SURFACES.

DO NOT APPLY THIS PRODUCT OVER SURFACES COVERED WITH STANDING WATER OR DURING MODERATE TO HEAVY RAINFALL. Product MAY be applied to wet or damp surfaces by following the “wet surface application instructions” set forth below in Step 5(A)(I).

IMPORTANT:

For at least 24 hours prior to adhesive application, and during the application process, MILCO SPRAY ADHESIVE PRODUCT MUST BE MAINTAINED IN ITS CYLINDER at 60°F (16.50°C) or above, and the surface(s) to be bonded should be at 33°F (1.00°C) or above. Product may fail to bond if temperature of cylinder contents falls below recommended temperature or if product is applied to surfaces that are below minimum temperature recommendations.

LET IT DRY! LET IT DRY! LET IT DRY! Average warm-weather drying time is 1-7 minutes for the adhesive to cure to the point where it is not “sticky” or pliable when touched — and considerably longer in cooler (under 60°) weather. Double coats require double time! Working time is around 45 minutes — so don’t be in a rush!

STEP 3 - LOCATE / PRE-CUT / PRE-FIT / APPLY LACQUER TO “MDF” STRIPS: Locate and mark all edge form and/or strip locations on the concrete slab surface in accordance with the plans and specifications and material width. Pre-cut all forms and strips to desired length. Pre-fit all items before applying adhesive.

INSTRUCTIONS FOR "MDF" INSTALLATION:

- **APPLY LACQUER TO ALL SIDES OF ANY "MDF" OR SIMILAR MOISTURE-ABSORBING MATERIAL PRIOR TO APPLYING ADHESIVE**
- **APPLY AN EXTRA COAT OF ADHESIVE OVER THE LAST FOOT AT EACH END DURING INSTALLATION.**
- **LEAVE ADEQUATE EXPANSION GAPS BETWEEN ENDS. IF RAINING, APPLY LACQUER TO STRIPS IN A PROTECTED AREA.**
- **NOTE: TrusJoist® "Premium MDF", metal, solid wood, or plastic / Styrofoam forms or strips do NOT require pre-lacquering.**

STEP 4 - SPRAY GUN SETUP: To assure proper application results in accordance with these Instructions, MILCO requires the use of SHOPWARE, INC. Spray Applicator Kit, Part No. MSK-20 which includes an applicator with a built-in 18" nozzle extension. Hoses are available in 20' or 10' lengths. Contact your distributor for more information.

Remove the protective cap from the cylinder valve and save it for transporting or returning the cylinder to MILCO after use. (Always restore the protective cap before returning the cylinder to MILCO.) Attach the smaller flare fitting end of hose to the cylinder valve and the 114 N.S. (larger) fitting-end of hose to the spray adhesive applicator. **FULLY TIGHTEN ALL CONNECTIONS. INSPECT ALL CONNECTIONS FOR LEAKS.** Open the cylinder valve fully, then close $\frac{1}{4}$ to $\frac{1}{2}$ turn. Set the "trigger stop adjusting nut" for desired adhesive flow.

Set the Shopware applicator's "trigger stop adjusting nut" for desired adhesive flow. Typically, one-and-a-half turns from the "closed" position will be about where the best setting should be. The spray pattern should be adjusted to 2 to 3 inches in width at the recommended application distance of between 2.5" to 3.5" from the target surface. Test spray a stream of adhesive through the nozzle to assure that there is **NO SPUTTERING** and that the adhesive sprays in a **SPIDER-WEB OR THREAD-LIKE PATTERN.**

IMPORTANT:

- **USE ONLY THE 95-DEGREE (ORANGE) SPRAY TIP, Part No. TP9501EVS-SW, FOR APPLYING MILCO TILT-UP SPRAY ADHESIVE.**
- **ADJUSTMENT OF THE APPLICATOR TRIGGER STOP NUT AFFECTS SPRAY PATTERN WIDTH AND AMOUNT OF SPRAY THAT IS APPLIED TO THE TARGET SURFACES. LOOK FOR A SPIDER-WEB / THREAD-LIKE PATTERN.**
- **CAREFULLY CHECK ALL FITTINGS FROM THE CYLINDER TO THE TIP OF THE ADHESIVE APPLICATOR EXTENSION TO ASSURE THAT THEY ARE TIGHT AND THAT THERE ARE NO LEAKS.**
- **FREQUENTLY CHECK SPRAY TIP FOR ADHESIVE BUILD-UP, ESPECIALLY DURING WINDY CONDITIONS. PERIODICALLY CLEAN NOZZLE TIP WITH 3M™ ADHESIVE REMOVER CITRUS BASE AND A WIRE BRUSH.**
- **TAKE CARE NOT TO APPLY THE ADHESIVE TOO THICKLY. "BUBBLING" OF ADHESIVE MATERIAL AND ADHESION FAILURE MAY RESULT.**
- **DON'T FORGET — THIS IS A CONTACT ADHESIVE! APPLY ADHESIVE TO BOTH SURFACES!**

SEE SHOPWARE, INC. INSTRUCTION MANUAL FOR SPRAY TIP INSTALLATION, SPRAY ORIENTATION ADJUSTMENT, AND OTHER IMPORTANT INFORMATION.

STEP 5 - ADHESIVE APPLICATION ON WET OR DRY SURFACES:

A. BLOCKOUTS, CHAMFERS, REVEAL STRIPS, DETAIL STRIPS, FEATURE STRIPS, RUSTICATION STRIPS and MDF STRIPS:

(i) **Casting Bed Surface:** Holding the spray nozzle 2.5 to 3.5 inches away from the target surface, spray ONE (1) even coat of adhesive over the marked-off target area on the CASTING BED.

If standing water is present on slab surface at time of application, remove all pooled water with a “squeegee” or blower. DO NOT “SQUEEGEE” A WET SURFACE TO WHICH ADHESIVE HAS ALREADY BEEN APPLIED. Application of adhesive during moderate to heavy rainfall is not recommended.

(ii) **Strips:**

For REVEAL, RUSTICATION, CHAMFER STRIPS, etc. — WIDER than ONE INCH: Apply ONE even coat of adhesive to the concrete slab surface and ONE even coat to the strip material. IMPORTANT — DO NOT APPLY ADHESIVE TOO THICKLY!

For REVEAL, RUSTICATION, CHAMFER STRIPS, etc. — ONE INCH or LESS in width: Apply ONE even coat of adhesive to the CONCRETE SLAB surface and DOUBLE COAT the STRIP with two THIN COATS of adhesive.

If its raining, apply adhesive to forms, strips or blocks in a protected area.

(iii) **LET IT DRY! LET IT DRY! LET IT DRY!** Allow the adhesive-coated surfaces to become dry to touch. When dry, the adhesive should not be “sticky” to touch or capable of transfer. Drying time will vary depending upon relative humidity, temperature and moisture levels. (Refer to Step 2 above.) DO NOT FORCE DRY THE ADHESIVE AFTER IT IS APPLIED as its contact properties may be adversely affected.

(iv) Carefully align the form or strip over the appropriate casting bed target area and join the surfaces together. CAUTION! BONDING IS INSTANT. After the adhesive-coated surfaces have properly dried, bonding will occur on contact on a dry or damp surface. Following surface contact in accordance with these instructions - in either a “dry” or “wet” environment - the bond will generally not be impaired or defeated by subsequent moisture, humidity or standing water that occurs during the following two or three weeks.

(v) Surface pressure may be applied to the strip to effect a firmer bond by using a rubber mallet or by using hand or foot pressure. To increase efficiency, several strips may be sprayed simultaneously.

IMPORTANT:

- SOME STRIP-FORMING MATERIALS SWELL WHEN EXPOSED TO MOISTURE. USER SHOULD DETERMINE THE EXPANSION CHARACTERISTICS OF THE STRIP MATERIAL BEING USED AND PROVIDE APPROPRIATE GAPS BETWEEN STRIPS.
- FAILURE TO GAP MAY RESULT IN BOWING OR LIFTING OF SECTIONS OF THE FORM OR STRIP.

(vi) After surface contact is made, the item bonded to the casting bed surface should feel firm and solid and be free of any movement. In the event that a strip appears to be loose or needs to be re-positioned after it is attached to the slab surface, the entire strip should be removed by inserting a flat scraper or blade under one end and lifting. BOTH surfaces should be re-sprayed with adhesive and allowed to dry to touch.

IMPORTANT:

DO NOT ATTEMPT TO REPAIR AN AREA OF FAILED ADHESION BY PRYING UP A SINGLE PORTION OF THE STRIP AND SPRAYING ADHESIVE IN BETWEEN THE CONTACT SURFACES. ALWAYS REMOVE AND RE-SPRAY THE ENTIRE STRIP.

(vii) Prior to the pouring of the concrete, a LIGHT coating of bond-breaker material may be applied to all exposed strip surfaces to reduce the risk of spalling and other damage to the concrete during lift-up and removal of the strips.

B. ATTACHMENT OF EDGE FORMS, PANEL FORMS AND SIDE PANELS:

The MILCO / TrusJoist® Penetration-free Forming System is based upon the use of MILCO *Adjust-a-Trak* “EdgeTrak” and “CommonTrak” forms — re-useable, height-adjustable PVC U-shaped channel tracks with built-in 45-degree chamfers at the base (See MILCO Website for printable diagrams of MILCO’s EdgeTrak and CommonTrak).

(I) With the MILCO / TrusJoist® System, quick installation of edge forms and common forms is made in four easy steps:

(1) *Adjust-a-Trak* EdgeTrak or CommonTrak sections are installed against a chalk line on the casting bed with MILCO Tilt-Up Spray Adhesive.

(2) A 1" x 1½" - wide spacer of pre-determined height is inserted into the track’s channel, resting on the bottom surface. The spacers are placed along the Adjust-a-Trak as necessary to support the ends of each length of TrusJoist® LSL panel that will rest on top of the spacer.

(3) Following installation of the spacers, 1⅝" TrusJoist® TimberStrand® LSL panel forms of a pre-determined height are inserted into the Adjust-a-Trak channel and seated on top of the spacers.

(4) For the last step, TrusJoist® TimberStrand® LSL 8" x 8" blocks are installed on 24" centers on the floor of the casting bed along the perimeter edges of the EdgeTrak with MILCO Tilt-Up Spray Adhesive and then “L”-brackets are screwed into place on the block and against the LSL and EdgeTrak to assure sufficient lateral strength.

(ii) When calculating panel layout, note that the exterior width of the vertical sidewalls of the MILCO “Adjust-a-Trak” Common-Trak is 1¼”, including wall thickness. The built-in chamfer extends outwards and upwards ¾” at a 45° angle at the base of either sidewall. The TrusJoist® LSL panel form is 1⅝” wide.

IMPORTANT:

- THE MILCO / TRUSJOIST® “SYSTEM” REQUIRES THE USE OF 8" X 8" OR LARGER TRUSJOIST® TIMBERSTRAND® LSL BLOCKS FOR ATTACHING EDGE FORMS AND SIDE PANELS AND OTHER BARRIERS THAT WILL BE SUBJECT TO LATERAL STRESS DURING THE POURING OF CONCRETE IN CONJUNCTION WITH THE USE OF MILCO TILT-UP SPRAY ADHESIVE.
- DO NOT REDUCE THE SIZE OF THE LSL BLOCKS BELOW 8" x 8".
- DO NOT USE ANY OTHER MATERIALS SUCH AS PLYWOOD, CUT LUMBER, MDF, ETC., FOR BLOCKING MATERIAL.

(iii) Use only 8" x 8" or larger Weyerhaeuser / TrusJoist TimberStrand® LSL blocks in combination with “L”-brackets or other suitable lateral-bracing devices. Brackets should be attached to the blocks and edge forms with dry-wall screws or similar devices. The use of nails should be avoided in order to prevent accidental release of adhesion and to facilitate the re-use or re-positioning of blocks. MILCO strongly recommends against the use of cut lumber for edge form support blocks due to surface irregularities, variations in moisture content and warping. TimberStrand® LSL blocks may be re-used multiple times so long as the adhesive contact surface is kept clean and flat.

(iv) The LSL blocks should be located along the edge form on minimum 24" centers to assure sufficient lateral strength in order to prevent an “overturn” during pouring.

(v) Generally follow the application instructions set forth in Section “A” above, EXCEPT THAT TWO (2) COATS OF ADHESIVE SPRAY SHOULD BE APPLIED ON EACH NEW LSL BLOCK for added adhesion due to the presence of lateral stresses against the forms after the concrete pour. A single coat on the casting bed floor surface is sufficient to provide adequate adhesion. WHENEVER AN LSL BLOCK IS RE-USED AFTER ITS FIRST ATTACHMENT, A SINGLE COAT OF MILCO TILT-UP SPRAY ADHESIVE WILL SUFFICE FOR EACH JOB THEREAFTER.

(vi) When spraying the second coat on the LSL block, wait until the first adhesive coat becomes “tacky”, but does not transfer, to apply the second coat of adhesive. Following application of the second adhesive coat, allow the surfaces to become dry to touch. When “dry”, the adhesive should not be “sticky” to touch or capable of transfer. Drying time will vary depending upon relative humidity, temperature and moisture levels. (Refer to Step 2 above.) If expedient, the first coat may be applied hours or even days before the second coat which would be applied at the time of application to the casting bed floor surface. DO NOT FORCE-DRY THE ADHESIVE AFTER IT IS APPLIED as its contact properties may be adversely affected.

STEP 6 - RE-USE, EQUIPMENT STORAGE, MAINTENANCE & SHUT DOWN:

A. RE-USE:

<p style="text-align: center;">IMPORTANT:</p> <p style="text-align: center;">AT THE END OF EACH DAY:</p> <ul style="list-style-type: none">● TIGHTEN THE APPLICATOR ADJUSTMENT NUT TO PREVENT ACCIDENTAL RELEASE OF ADHESIVE. ● ALWAYS LEAVE THE CYLINDER VALVE OPEN AND THE HOSE AND APPLICATOR PRESSURIZED BETWEEN JOBS TO PREVENT CLOGGING. ● REMOVE NOZZLE AND CLEAN IT AND THE WAND-HEAD MOUNTING SURFACE WITH 3M™ ADHESIVE REMOVER CITRUS BASE AND A WIRE BRUSH. PLACE NOZZLE BACK ON WAND AFTER CLEANING AND TIGHTEN. ● KEEP CYLINDER, PRESSURIZED HOSE AND SPRAY APPLICATOR AT A TEMPERATURE OF AT LEAST 60° OVERNIGHT.
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B. BETWEEN SEPARATE APPLICATIONS: To extend hose life, DO NOT CLOSE CYLINDER VALVE BETWEEN SEPARATE APPLICATIONS. If the cylinder valve is closed after an application and before depletion of the cylinder contents with the hose still attached, the hose may become clogged with adhesive and need to be replaced. If there is to be a delay between applications, store cylinder with VALVE OPEN (hose pressurized) at an ambient air temperature of between 60°F (15.5°C) and 85°F (29.4°C). Use care to avoid cutting or puncturing pressurized delivery hose or loosening hose connections. Place a tag on the applicator notifying users that the hose is pressurized.

C. REPLACEMENT OF AN EMPTY CYLINDER DURING APPLICATION: To replace an empty cylinder during an application, the following procedure is recommended:

- (i) WEAR SAFETY GOGGLES AND GLOVES at all times.

- (ii) Position full replacement cylinder next to spent cylinder with hose still attached.

- (iii) Close empty cylinder valve completely. To avoid seal damage, do not over-tighten. Point spray nozzle / applicator away from people and spray any remaining pressurized material in hose onto waste material or other expendable surface until all pressure is released.

- (iv) Wearing protective goggles and gloves, slowly loosen the hose fitting from the cylinder outlet. Remove hose from spent cylinder, taking care to keep the fitting-end pointed upwards to avoid spilling adhesive.

(v) Immediately connect hose fitting to the full cylinder outlet and tighten. Slowly open the new cylinder valve to pressurize the hose with adhesive. Open the cylinder valve fully, then close 1/4 to 1/2 turn. Recharge the hose with adhesive material by pointing the spray nozzle / applicator away from people and spraying a short burst onto waste material or other expendable surface until adhesive appears.

C. **LONG TERM STORAGE OF HOSE AND SPRAY GUN:** For best results, use cylinder contents within 16 months of purchase date. If the hose and spray gun are not going to be used for extended periods of time, clean out the hose and nozzle with 3M™ Adhesive Remover Adhesive Citrus Base (...available from your MILCO distributor) before remaining adhesive dries. The tip can also be cleaned with masking tape or a small wire brush before the adhesive is completely dried. Follow nozzle manufacturer's cleaning and storage instructions. Hose may need to be replaced for next application if an excessive amount of adhesive residue remains inside. **CAUTION:** When using solvents, extinguish all ignition sources and follow the manufacturer's precautions and directions for use.

STEP 7 - DETACHING STRIPS & FORMS FROM FLOOR SURFACE: After the panel is poured, detach strips and forms from floor surface by inserting a flat scraper or blade under one end and lifting. Take care not to scratch the floor surface.

STEP 8 - RESIDUE REMOVAL:

When MILCO Spray Adhesive is applied directly to a casting bed surface, adhesive residue remaining on the casting bed after tilt-up may be cleaned up with a wire brush or 3M™ Adhesive Remover Citrus Base, which is available from your MILCO distributor. Allow at least 2 HOURS for the Adhesive Remover to flash off solvent content before applying MILCO Spray Adhesive.

TROUBLESHOOTING HINTS:

◆ **"BUBBLES" APPEAR ON SPRAYED SURFACES:** This condition may result if proper spraying distance has not been maintained (at least 2.5 inches) or if adhesive product has been allowed to "dry" or otherwise partially solidify within the delivery hose or the applicator, or if the nozzle has become partially plugged.

SOLUTION: (1) Take care to maintain proper spraying distance (2.5 to 3.5 inches) during application; (2) Clean delivery hose and/or nozzle with 3M™ Adhesive Remover Citrus Base (available from your MILCO distributor) or replace if necessary; (3) Remove adhesive from "bubbled" area with 3M™ Adhesive Remover Citrus Base and re-spray. Areas where the adhesive has bubbled will not adhere properly.

◆ **DURING APPLICATION, PRODUCT "SPUTTERS" AND DELIVERY IS INTERMITTENT:** This condition may result if adhesive product has been allowed to "dry" or otherwise partially solidify within the delivery hose or the applicator, or if the nozzle has become partially plugged.

SOLUTION: Remove nozzle and clean delivery hose and/or nozzle with 3M™ Adhesive Remover Citrus Base (available from your MILCO distributor) or replace if necessary. Check to see that all connections are tight.

Questions regarding installation or troubleshooting? E-mail MILCO at "admin@milco-tilt-up.com" or call 1-866-US-MILCO (1-866-876-4526). Product made in Canada to MILCO CONCRETE CONCEPTS, LLC specifications by 3M™.



MILCO CONCRETE CONCEPTS, LLC

A Nevada Limited Liability Company

CUSTOMER SERVICE / FIELD APPLICATION ADVICE

BOB MILLER
Cell: 360-903-5720

GREG STADTER
Cell: 360-910-0675

P.O. Box 61408
Vancouver, Washington USA 98666

TELEPHONE (Toll free):
1-866-US-MILCO (1-866-876-4526)

E-MAIL: admin@milco-tilt-up.com WEB: <http://www.milco-tilt-up.com> FAX: 1-360-574-8617



CUSTOMER SERVICE

DAVE HASKKINS

RICK CARTER

200 East Mallard Drive
Boise, ID 83706

TELEPHONE: 877-856-2466
FAX: 208-395-2466

E-MAIL:

haskkinds@trusjoist.com

carterr@trusjoist.com

WEBPAGE:

<http://www.trusjoist.com>

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