

# C10 POLYURETHANE FOAM ADHESIVE

DATA SHEET

**Tensorgrip**



As part of our **CONSTRUCTION** range, **C10** is a bead application adhesive that is low in V.O.C. suitable for polystyrene bonding applications.

## PRODUCT DESCRIPTION

**TensorGrip C10®** Polyurethane foam adhesive is single-part moisture-cure urethane foam adhesive designed specifically for bonding insulation such as ISO boards to a variety of substrates, including concrete, plywood and cementitious boards and brick. Also works with EPS or XPS (expanded or extruded polystyrene). **C10** saves time and labour by allowing an operator to apply the adhesive at a rate of 240 square feet (73 square meters) per minute.

## ADVANTAGES

- Will bond up to 23 sqm/kg.
- Fastest application ever.
- Uplift tested to 9kn uplift.

## DIRECTIONS FOR USE

- This product is designed to be applied to one of the surface of the substrates to be bonded together. Make sure that surfaces are clean, dry and free from dirt, dust, oil, loose paint, wax or grease, etc. For best results, the temperature of the adhesive and the surfaces being bonded should be between 60 degrees F - 80 degrees F (16degrees C - 27 degrees C).
- Use with adequate ventilation. When possible we recommend shaking the canister well before using. Attach and secure hose tightly onto the spray gun with required tip. Attach the other end of the hose onto the canister. Make sure the hose-valve connections are securely tight. Open the valve on the canister slowly and fully, check for leaks during this process. Unlock the trigger on the spray gun to start spraying.
- Prior to use, check compatibility by applying a small amount of the adhesive on the substrate. This product may degrade some substrates. Apply adhesive about

10-20 cm (4" – 8") away at a 90 degree angle to the surface, applying a uniform, even bead of adhesive the surface.

- Adhere surfaces and press together with adequate pressure. Although this product will give sufficient bond results immediately the full cure is 24 - 48 hours.
- Any cured adhesive may be mechanically removed using a blunt instrument.

## CANISTER STORAGE/CHANGE OVER

- Turn valve on canister into the off position, spray out remaining adhesive left in the hose, disconnect the spray hose and gun from the canister. Reconnect the spray hose to a canister of cleaning solvent (sold separately) and spray out until liquid is clear which indicates that the hose and gun is clean. If you choose to leave the hose and spray gun on the canister, leave the valve on the canister open. Do not disconnect the hose/gun from the canister. Close and lock the spray gun.

DISCLAIMER OF WARRANTY: The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

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# CIO POLYURETHANE FOAM ADHESIVE

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## SPECIAL PRECAUTIONS

For optimum results store canister above 18°C during use, but must always be above 10°C. Allow substrates to acclimatise to normal room temperature (18°C) for 48 hours before bonding. Do not exceed open time of the adhesive. Keep canister off cold concrete floors during use. If adhesive is expelled wet or as a jet, canister is too cold – move to warm environment and allow to thoroughly acclimatise before reusing.

### CAUTION

- Use only in well ventilated areas.
- DO NOT thin or reactivate with solvents.
- DO NOT incinerate.
- DO NOT expose to extreme heat over 50°C.
- Keep away from sources of ignition.
- Release pressure before disconnecting hose.
- Test for suitability before use.

MSDS and Technical Data Sheets **MUST** be read and understood before use. Information contained in this technical literature is believed to be accurate and offered in good faith for the benefit of the consumer. The company however cannot assume any liability or risk involved in the use of its chemical products since the conditions of use are beyond our control. Statements concerning the possible use of our products are not intended as recommendations to infringe on any patent.

## CHEMICAL TECHNICAL DATA

### TYPICAL PROPERTIES

- |                         |                                       |
|-------------------------|---------------------------------------|
| • Solids:               | 100%                                  |
| • Temp Resistance:      | 160°C                                 |
| • Tensile Test Failure: | 9KN                                   |
| • Appearance:           | Brownish                              |
| • Solvent System:       | Polymeric Diphenylmethane Disocyanate |
| • Shelf Life:           | 12 Months                             |
| • Sizes:                | 22ltr Canister                        |
| • SHELF LIFE:           | 18 months from date of manufacture    |

### PACKAGING

- |           |  |
|-----------|--|
| • 6 kg    | Disposable canister suitable for industrial use only |
| • 15.9 kg | Disposable canister suitable for industrial use only |

## STORAGE

### HANDLING & STORAGE

- Consult Material Safety Data Sheet prior to use.
- Do Not store at temperatures over 50°C.
- Avoid exposure to direct sunlight.
- Do Not store directly on concrete floor.
- For optimum performance, store at 18°C during use, but must always be above 10°C.
- When connected, keep valve open and hose pressurised at all times.
- Do Not close valve until ready to connect to new cylinder.
- Release pressure in hose before disconnection.
- Always test product to determine suitability for your particular application prior to use in production.