

OPACI-COAT-300® Wall Cladding Installation Guide

This guide gives a brief overview of the issues that should be considered when installing coated glass and wall cladding. It identifies good detailing and installation practices. It also covers where and why problems are likely to occur. These instructions have been written to contribute to an installation that achieves maximum technical and aesthetic performance of the OPACI-COAT-300® Wall Cladding system.

ICD strongly recommends that all crew members have access to a copy of these installation instructions and have reviewed the contents thoroughly. A copy should be available on site at all times during installation. These are general guidelines and do not supersede local building code requirements.

Job Site Considerations

- If floor has low areas or is not within recommended tolerance, then a non-shrink grout should be used to level the support molding.
- Walls should be smooth and flat. High points must be removed, and low points filled.
- Doors and window frames must be in place prior to the installation as cladding will be cut and fitted up to the edges.
- If fixing over tiles, the tiles must not be loose.
- Surface must be permanently dry and free from all substances that may contribute to coating failure. If in doubt, please contact ICD.
- If fixing to a painted wall, remove loose paint and conduct an adhesive bond testing on the painted finish.
- To ensure good adhesion, all surfaces must be clean and free from dust prior to installation. The working environment must also be dust free.
- Very absorbent substrates, such as plasterboard, wood and concrete, must be sealed with a quality grade latex primer and allowed to cure before installing the coated glass panels.
- Dead load of the glass must always be supported with "I" or "J" moldings.
- When installing coated glass panels over 72" (1.8m) in height, mechanical fasteners must be used.

Clean OPACI-COAT-300® Surface Prior to Applying Sealant

- Apply isopropanol alcohol (not denatured) to clean, lint free, non-abrasive cloth.
- Wipe the solvent, which is on the cloth, a couple of times with slight pressure across the surface to which sealant will be adhered. The surface should look less glossy.
- Using a second clean, lint free, non-abrasive cloth, wipe the dry cloth across the surface, creating a two (2) cloth wipe procedure of cleaning.
- Wait 5-10 minutes for the alcohol to flash off. Apply sealant within 5 to 30 minutes after cleaning the OPACI-COAT-300® surface.
- Refer to sealant manufacturer for any questions regarding proper cleaning procedures.

Vertical Surface Installation

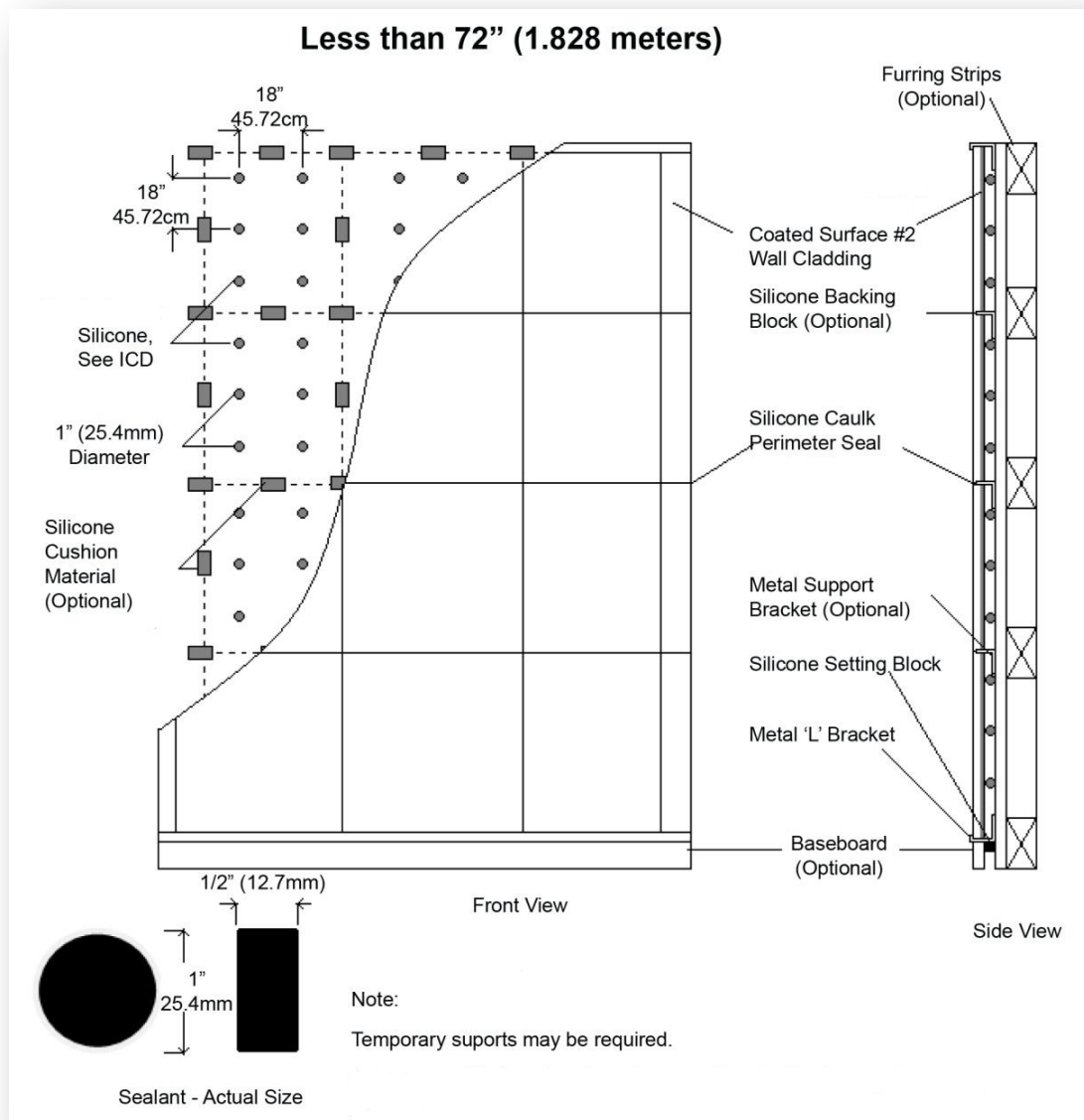
- Substrate must be clean, dry, dust and frost free.
- Wall cladding requires dime-sized dabs of approved* silicone adhesive every 12" to 18" (0.3048m to 0.4572m) in a grid pattern.
- Compressed dabs of silicone should not exceed 1" (24m) wide in size and 1/3" thick.
- When applying the silicone to the bonding surface, never use a full float or trowel method to apply adhesive. Use only 1" dabs or 1/2" strips as illustrated in Figure 1 and Figure 2 (post-compression dimensions) on the following pages.
- Only silicone cushion material and setting blocks should be used for spacing and buttjoints.

- * ICD routinely tests and approves glazing components for use with OPACI-COAT-300®.

We currently recommend a selection of clear sealants for preferred use in wall cladding projects. These sealants have shown the least likelihood for read through and staining reactions while also maintaining very strong adhesive bonds.

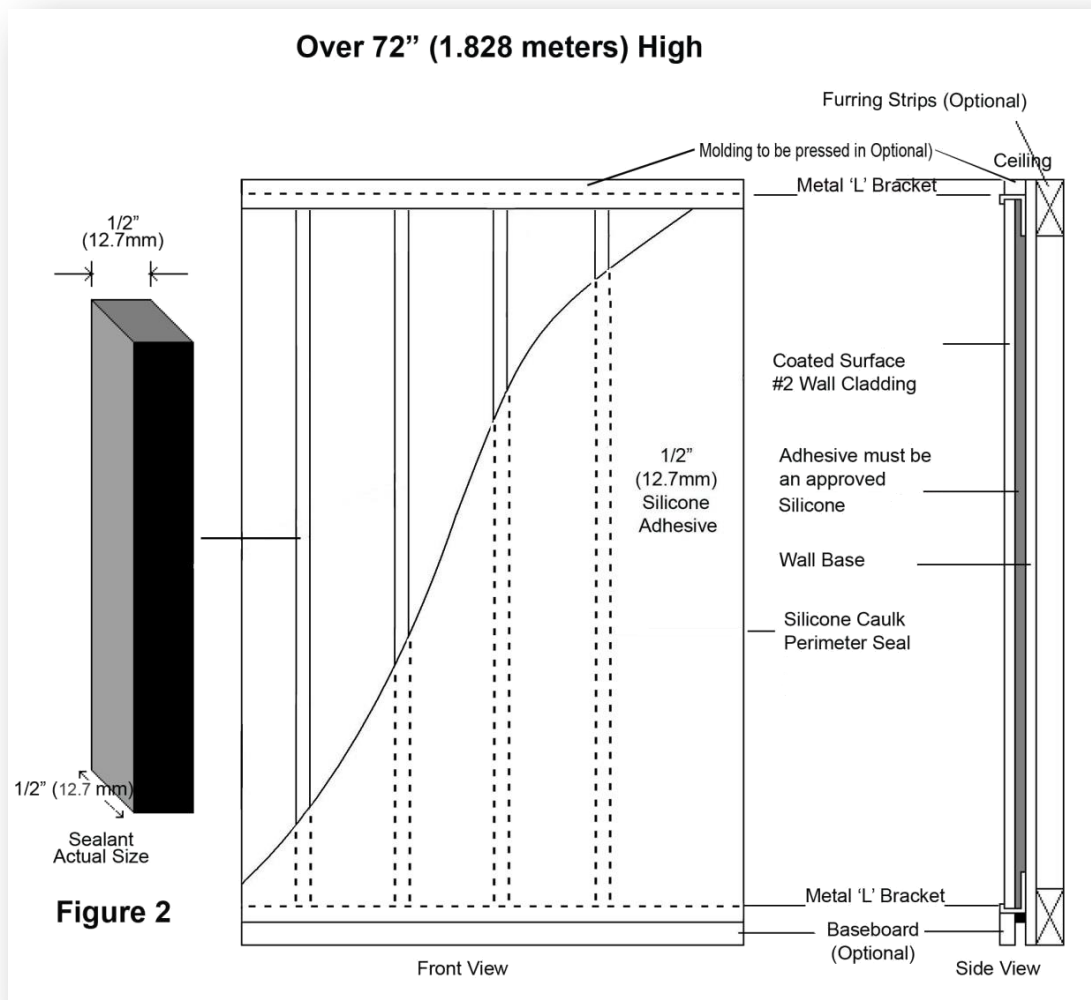
Please contact ICD Technical Services, at (360) 546-2286, for more information about our current recommendations.

Wall Cladding Detail <72" in Height – (Figure 1)



- Allow adequate cure time prior to application of the perimeter seal. Please note that the time required to properly allow a sealant to cure may be up to twenty-one days—seek the proper information from the manufacturer!
- Consult with the manufacturers to ensure all glazing components are compatible with each other!
- DO NOT exceed the recommended sealant amount—excess may inhibit cure and lead to staining!

Wall Cladding Detail >72" in Height – (Figure 2)



- *Wall cladding panels require bracing until cured.*
- *Allow adequate cure time prior to application of the perimeter seal. Please note that the time required to properly allow a sealant to cure may be up to twenty-one days—seek the proper information from the manufacturer!*
- *Consult with the manufacturers to ensure all glazing components are compatible with each other!*
- *DO NOT exceed the recommended sealant amount—excess may inhibit cure and lead to staining!*
- *Vertical sealant only!*