

OPACI-COAT-300®

SPANDREL GLASS INSULATION

The subject of exterior spandrel glass and its accompanying use with insulation has long been studied by many companies throughout the glass industry.

It has been suggested that the best possible method for the two components to be used is with an air gap. Any glass, if installed improperly, can become stained or mottled from moisture, if the moisture is allowed to remain in contact with it for long periods of time. Air born contaminants may also be present before and during the time of installation. When the moisture blends with alkaline materials, staining potential is increased, especially if moisture is trapped between the insulation and the glass coated surface.

Thermal breakage can also be influenced in the use of insulation. On darker colors the heat build up can be significant. If insulation should be improperly applied, an uneven distribution of heat can occur resulting in hot and cold spots.

Any glass used with any available opaque material could be potentially damaged from uncontrolled conditions involving temperature, moisture and alkaline materials.

It is with this information that we make the following recommendations and illustrations on the best possible methods and procedures for accommodating safe use of insulation in direct contact with OPACI-COAT-300®.

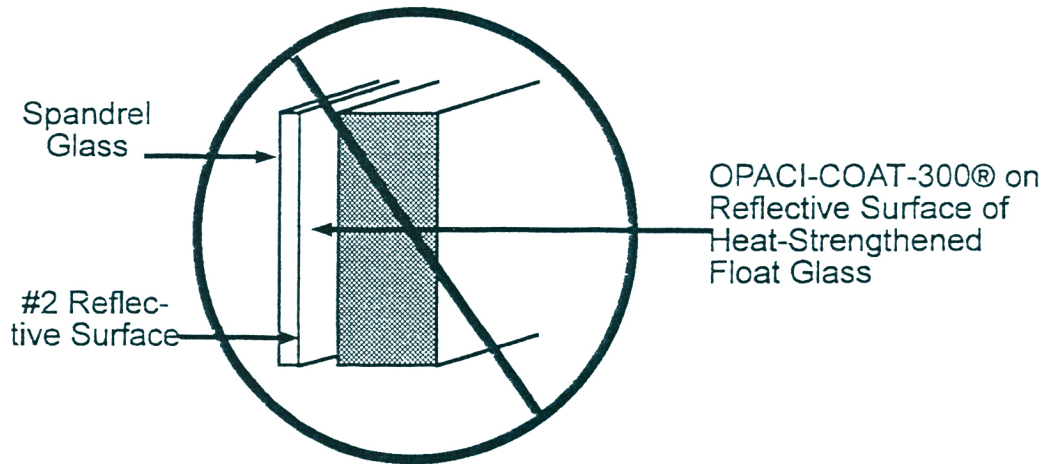
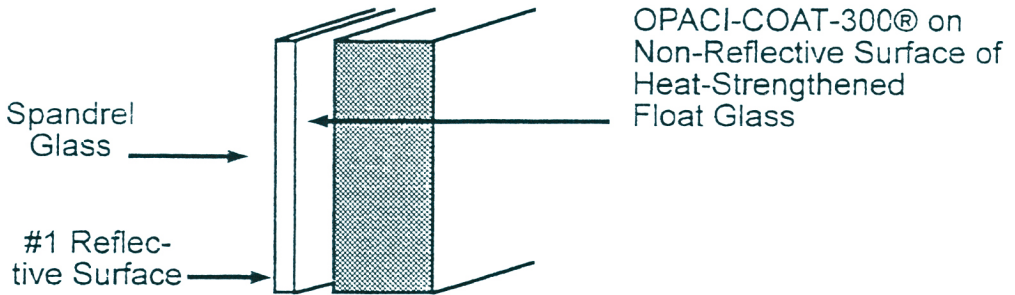
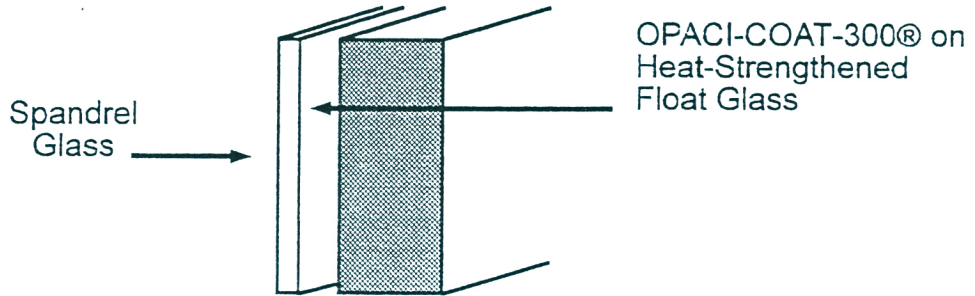
REFLECTIVE GLASS PRODUCTS

The use of insulation in direct contact with reflective surfaces is not recommended. Glass manufacturers of reflective glass products recommend a minimum air gap of 1" to 2" (26mm to 51 mm) when the metalized surface is the number two (#2) surface. Therefore, ICD does not recommend shop installation of insulation when the metalized surface is the number two (#2) surface. This recommendation covers both sputter/vacuum deposited (soft coat) and pyrolytic coated (hard coat) reflective glass products.

SPANDREL GLASS (NON REFLECTIVE GLASS)

ICD recommends factory installation of insulation by AFF trained personnel only and can be accomplished by following the procedures included with this publication.

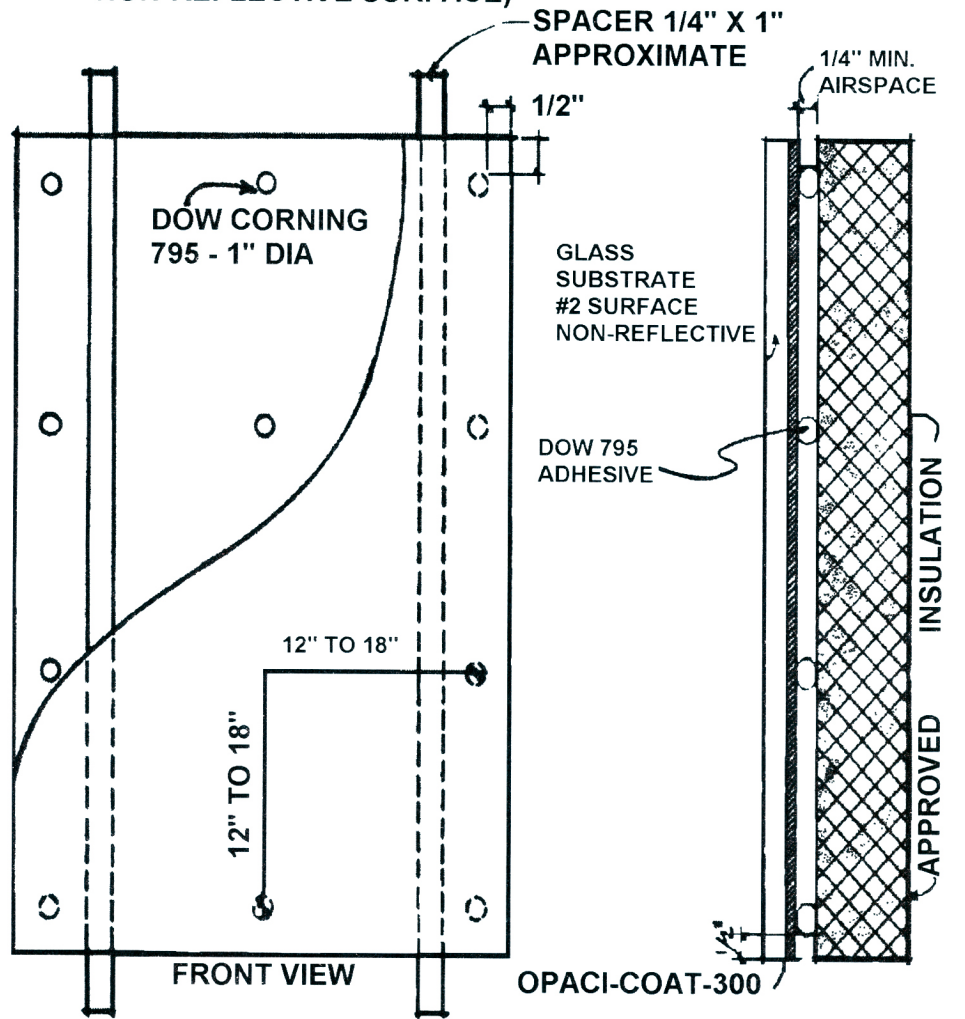
RECOMMENDATIONS FOR SPANDREL
WITH INSULATION



INSULATED SPANDREL DETAIL

SCHEDULE SECTION

**SHOP INSULATION
LAYUP PROCEDURE
(FOR SPANDREL WHERE
INSULATION IS AFFIXED TO A
NON-REFLECTIVE SURFACE)**



**TEMPORARY SPACERS,
AFTER 24 TO 48 HRS OF
CURING, CAREFULLY
REMOVE SPACERS.
CAUTION...REMOVE SPACERS
CAREFULLY BEFORE
SHIPPING**

**END VIEW WITH
SPACERS REMOVED**

