



OPACI-COAT-300® Spandrel Cavity Requirements

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It is important that a minimum 1-inch air gap be in place and maintained from the OPACI-COAT-300® coating surface to the insulation inside the cavity when installed in a spandrel application. Additionally, an adequate weep system should always be in place with any spandrel system.

Water mitigation, avoiding contact of the insulation, and good air exchange are all crucial factors to consider when spandrel glass is involved for a project.

Water Mitigation

It is very difficult to effectively keep moisture away from the glass/insulation interface, and it is not desirable to allow moisture to collect on the interior coated surface of the glass for sustained periods of time. This is of particular concern with glass having an opacified film. It is recommended that the spandrel cavity be drained/vented to minimize risk of excessive moisture and water accumulation.¹

Avoiding Contact with Insulation

The preferred practice is to space the insulation back from the interior face of the glass 1 inch or more, and to secure it such that it will not touch the glass even if it should sag over time.² This will prevent contact of the insulation with the OPACI-COAT-300® coating. Insulation in direct contact with the coating can contribute to problems and failures.

Air Exchange

The 1-inch air space will also improve the thermal properties of the spandrel cavity and help assure an even distribution of heat behind the glass.² Even distribution of heat is a key factor in mitigating thermal breakage.

Please call ICD Technical Services, at (360) 546-2286, regarding any questions about the information provided in this bulletin.

¹ GANA Glazing Manual – 50th Anniversary Edition, page 31, ¶ 2

² GANA Glazing Manual – 50th Anniversary Edition, page 31, ¶ 3