

OPACI-COAT-300® Spandrel IGU Guide

Date: March 21, 2022

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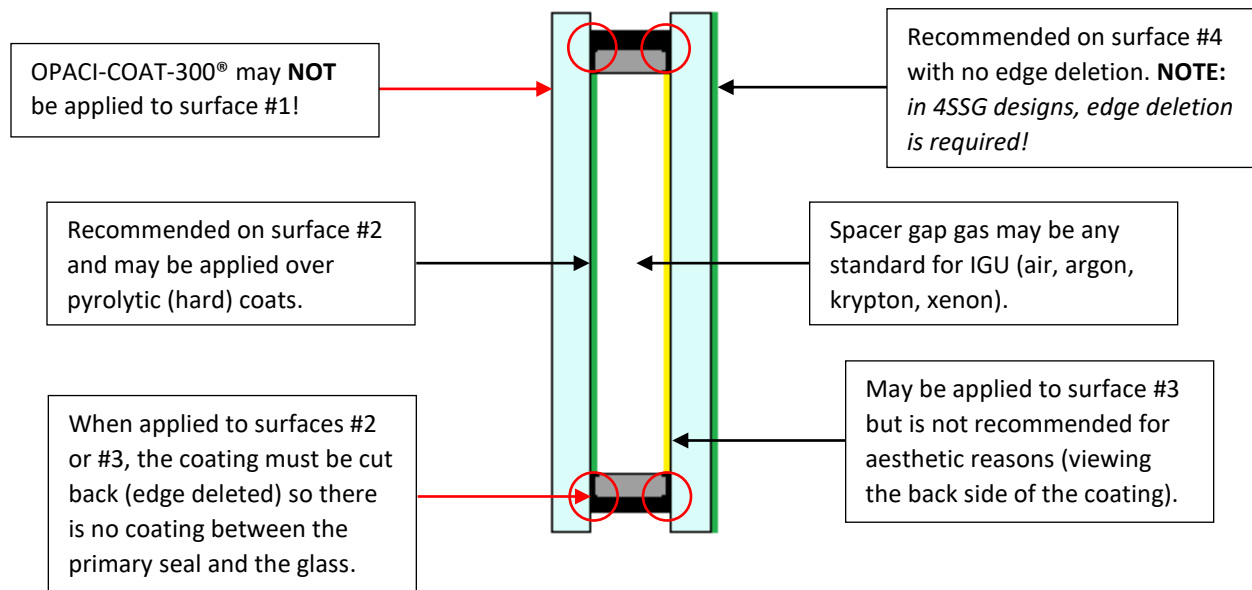
Bulletin Number: #28

While spandrel glass designs used to primarily incorporate the use of monolithic coated glass, demand for increased energy efficiency has resulted in the predominant use of insulating glass units (IGUs) for spandrel.

Accordingly, many additional design and performance variables are available. The use of solar control coatings, low-emissivity coatings, opaque color coatings, etc. on flat glass of varying thicknesses, varying lite strengths (annealed, heat-strengthened, fully tempered), and numerous different combinations of these can be featured in the spandrel IGU design.

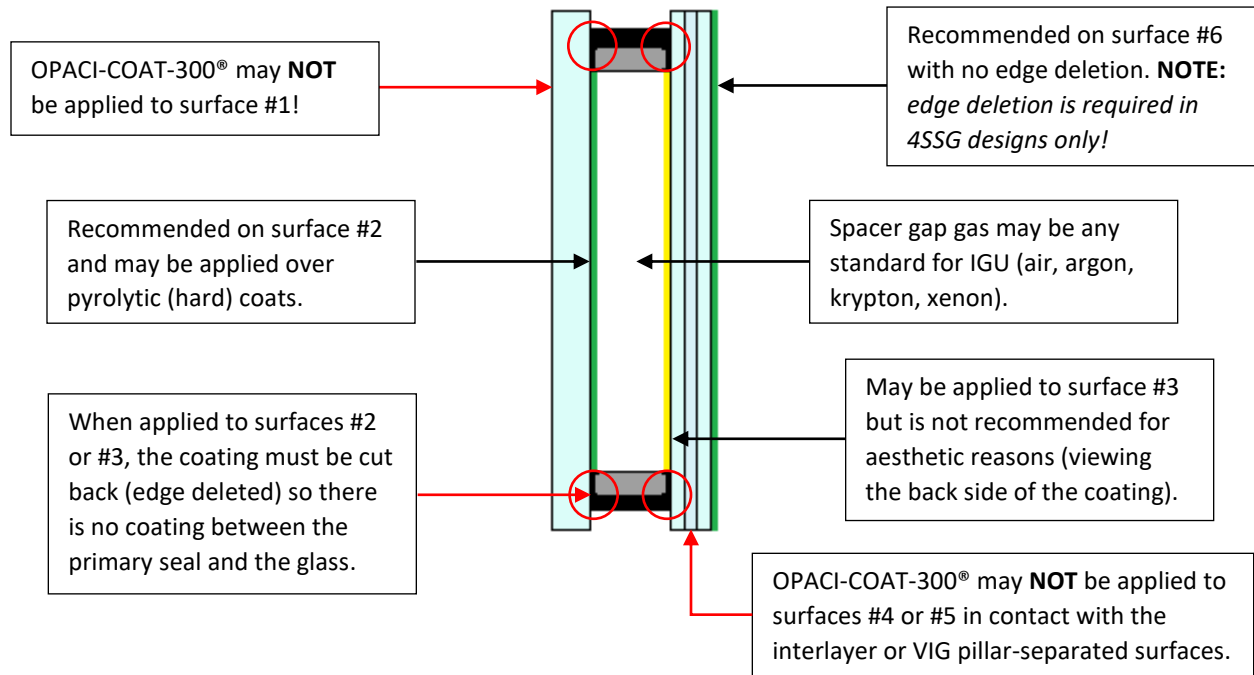
Spandrel IGU configurations may be double-glazed, triple-glazed and incorporate the use of laminated glass constructions and/or vacuum insulating glass (VIG) units. This guide was developed to inform interested parties of IGU application options specifically available with OPACI-COAT-300® Water-Based Silicone Spandrel and advisories regarding configuration options that are not acceptable.

Double-Glazed IGU



WARNING: OPACI-COAT-300® must **NOT** be applied to an interior surface of an IGU if a low-e coating exists on an opposing surface inside the unit. Refer to ICD Technical Bulletin 70-10 OPACI-COAT-300® and Low-E in an IG Unit.

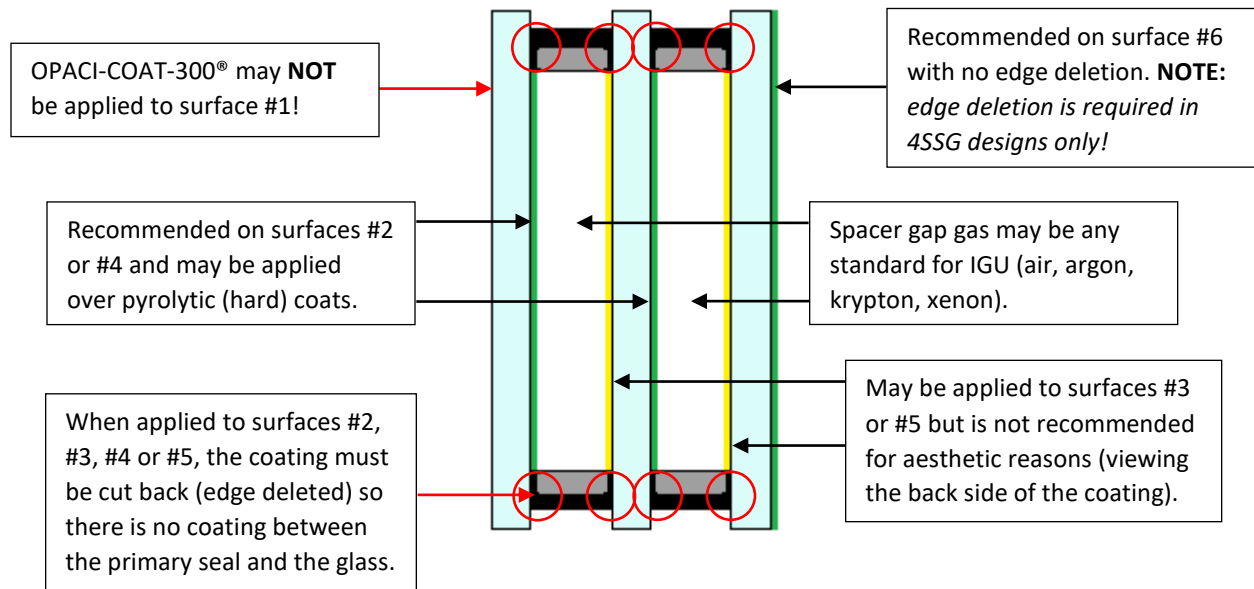
Double-Glazed IGU with Laminated Inboard Lite (or VIG Unit)



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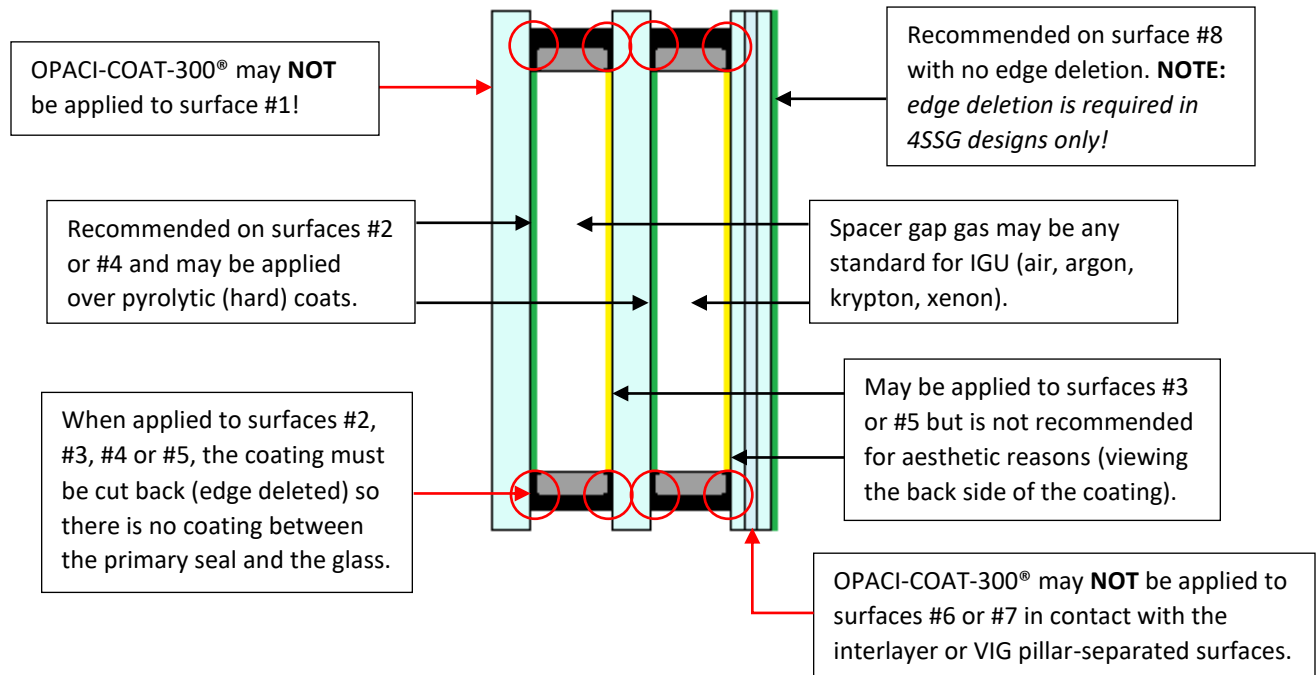
Please apply the above advisories accordingly with any laminated lites or VIG units. OPACI-COAT-300® should not be applied to surfaces in contact with the interlayers or VIG pillar-separated surfaces.

Triple-Glazed IGU



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Triple-Glazed IGU with Laminated Inboard Lite (or VIG Unit)



WARNING: OPACI-COAT-300® must **NOT** be applied to an interior surface of an IGU if a low-e coating exists on an opposing surface inside the unit. Refer to ICD Technical Bulletin 70-10 OPACI-COAT-300® and Low-E in an IG Unit.

Please apply the above advisories accordingly with any laminated lites or VIG units. OPACI-COAT-300® should not be applied to surfaces in contact with the interlayers or VIG pillar-separated surfaces.

In addition to the IGU design details described above, performance success of OPACI-COAT-300® coated units also depends on proper spandrel cavity design, unit installation and use of approved (compatible) glazing components.

A proactive approach to spandrel project design and planning is always recommended to mitigate the potential for issues. ICD has numerous resources available to help ensure project success. Visit <https://www.icdcoatings.com/opaci-coat-300> for further information.

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