

DESIGN RECOMMENDATIONS

Spandrel Glass is an architectural glass product rendered near opaque by the application of a coating intended for use in building spandrel areas to mask undesirable building features, like floor slabs, HVAC duct work, or columns, from the building's exterior.

SPANDREL GLASS IS NOT SUITABLE FOR USE IN A "VISION AREA". If the glass is viewed from the building's interior, looking outward toward day light, pinholes and variations in coating density will be perceptible. This condition is not considered a defect in spandrel glass. The interior surface of any spandrel glass product is not suitable for use as a finished wall. Spandrel glass should be "backed up" with sheetrock or another suitable building material on the interior side.

Spandrel glass is subject to inspection procedures of ASTM C 1048. Spandrel glass with a reflective coating, (i.e., Pilkington Eclipse Advantage™) is inspected according to ASTM C 1376.

White, light, or pastel colored Spandrel glass may be translucent and allow "read-through" of materials behind the glass in the Spandrel cavity. A consistently colored back up material should be used behind white, light, or pastel colored Spandrel glass. A full size mock up of these materials is recommended, including the back up material.

We apply white, light, or pastel colors at a thicker rate than dark colors. This procedure is prescribed in ICD's Approved Factory Fabricator Manual. There is no need to request "double coating" for light colors. This process does not produce complete opacity or uniformity.

The light colors may also have a slight variation in appearance when viewed from the outside due to variation in the color of the glass, the paint, and the application rate.

Spandrel glass in exterior applications must be HEAT TREATED to withstand high thermal stress. If the Spandrel is intended for an opening where safety glass is required by law or code or where human impact is a concern, the glass substrate should be TEMPERED. In other locations, the glass substrate should be ordered HEAT STRENGTHENED. Unless specified TEMPERED at time of order, glass will be supplied "HEAT STRENGTHENED".

- Spandrel glass will have logos unless specified "NO LOGO" at time of order.
- FALL OUT PROTECTION can be achieved with OPACI-COAT 300®, if specified at time of order, by increasing the coating thickness. Additional cost applies.
- **COMPATIBILITY of adjacent building products should be confirmed with OPACI-COAT 300® manufacturer ICD.** Bonding materials with acidic hydro-carbon based thinners may not be used. **Neoprene gaskets or setting blocks must not be used directly against the silicone coated surface.** Syracuse Glass can apply a factory approved blocking tape to the perimeter of exposed OPACI-COAT 300®, if requested, if compatibility is a concern.
- In monolithic applications, OPACI-COAT 300® can be glazed on the #2 surface. In insulating glass applications, OPACI-COAT 300® can be fabricated on the #2 or #4 surface. Edge deletion is performed for #2 surface applications.
- OPACI-COAT 300® can be applied to any reflective or Low-E coated surface.
- OPACI-COAT 300® is not recommended to be used on the #3 surface of an insulating glass unit, especially with a Low-E coating on the #2 surface. A haze or discoloration may occur.
- Contact Syracuse Glass for additional information regarding Structural Silicone Glazing. The OPACI-COAT coating can be structural glazed with ICD recommended silicone, or the coating can be edge deleted.
- The rubber-like OPACI-COAT 300® coating can be scratched with rough handling. Use of vacuum cups on the coating is not recommended. The coating is repairable in the field.
- Building Materials and Insulation must be held at least 1" away from OPACI-COAT 300® coating.
- Polyisocyanurate insulation is not compatible with OPACI-COAT 300.
- All Spandrel orders are subject to a set-up charge for each order release.
- See www.syracuseglass.com for specification language and additional resources.