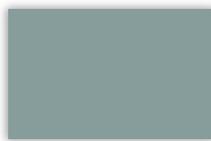


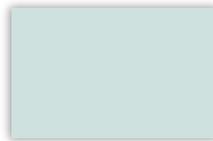
SPANDREL

Spandrel is the panel(s) of a wall located between vision areas of windows, which conceal structural columns floors and shear walls. For spandrel applications Velocity offers factory-applied, proprietary coated spandrel that is permanently fused to the glass surface and has the characteristics of a ceramic frit with increased uniformity from a precision application process. This spandrel glass is for use in monolithic applications or in insulating glass configurations.

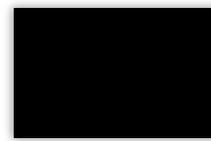
AVAILABLE COLORS



Warm Gray



White



Black

SPANDREL GLASS APPLICATIONS

The proper application for spandrel glass is to install it in an opening that has a uniformly colored insulation or back-pan that eliminates the possibility of read-through or viewing the glass in transmission. When done properly, the glass may only be viewed from the exterior of the building, with daylight reflecting from the glass surface.

PERFORMANCE

Winter and summer u-values are the performance values available for spandrel glazing. The u-values for spandrel glazing are the same as the corresponding vision unit. Spandrel paint does not affect u-value performance.

MATCHING SPANDREL AND VISION AREAS

Often a project may require spandrel glass to harmonize with the vision areas of your building. However, this is sometimes difficult to achieve when high-light transmitting or low-reflective glass types are used. Low-light transmitting and high-reflective glass types provide the least contrast between vision and spandrel areas. Variable sky conditions can also influence our perception. On a bright, sunny day, the exterior light intensity is approximately 50 to 100 times greater than the interior lighting level.

When viewing the glass from the outside, the dominant visual characteristic is the exterior reflection. On gray, overcast days, a greater visual disparity is created between vision and spandrel areas due to the transparency of the vision glass and the perception of depth created by interior lighting. The non-vision areas tend to look flat and two-dimensional by contrast. By keeping the vision and spandrel glass construction similar (the same exterior glass color, coating, etc.) the contrast can be minimized under various lighting conditions. Velocity recommends using a neutral colored ceramic frit on the fourth (#4) surface.

Velocity recommends viewing glass samples or full-size mockups to match vision and spandrel glass areas when the visible light transmission of the vision glass exceeds 14 percent.

MOIRÉ PATTERN

Moiré is an optical phenomenon that typically appears as a wavy, rippled or circular pattern. It is formed when two regularly spaced, non-aligned patterns overlap. When using spandrel glass, moiré can occur when a pattern's shadow is cast against the spandrel glass. The moiré pattern is not a defect in the glass or spandrel process but rather a pattern formed by the eye.