

The Emerald Leverages Landscape With Daylighting Design

TGP



PROJECT SPOTLIGHT

While most fire-rated materials obstruct the flow of sunlight, TGP's glazing systems promote transparency and visibility.

Project:	The Emerald
Location:	Seattle, WA
Architect:	Hewitt Seattle
Glazing Contractor:	Kenco
Product:	Pilkington Proflit™ channel glass system; Fireframes ClearView® System with Fireframes® Heat Barrier Series perimeter frame and doors

The Emerald Leverages Landscape With Daylighting Design

TGP

DRAMATIC WALL FEATURES CREATE A VISUALLY INTERESTING TRANSFER OF LIGHT

According to [Hewitt Seattle](#), “exterior materials reinforce the unique nature of the faceted tower.” One area this is observed is in a channel glass form on the second and third floors. Supplied by Technical Glass Products (TGP), the Pilkington Profilit channel glass system provides a depth and profile not found in conventional wall applications, creating a unique atmosphere for residential amenity uses.

Spanning the outside of the fitness center and community meeting spaces, the self-supporting, U-shaped, linear cast-glass channels and extruded perimeter frame allow for large, glazed areas that can diffuse extensive amounts of natural light deep into interior spaces. The slender channels spread out the sun’s rays as they pass through its translucent surface, creating soft, even and glare-free light, with fewer and less sharply defined shadows than traditional glass and framing.

Available in a variety of colors and textures with varying transparency, here, the Pilkington Profilit channel glass system relies on its inherent slight green hue to pay homage to its surroundings and transmit light without the loss of privacy. This preserves tenants’ ability to exercise and use amenities without the prying eyes of sidewalk onlookers. It also creates an element of separation for those using the third-floor terrace to lounge and enjoy views of Pike Place Market’s Elliott Bay. However, for those who do catch a glimpse of The Emerald’s exterior, the channel glass system provides eye-catching greenish hues that aptly fit the building’s namesake.



The self-supporting, U-shaped, linear cast-glass channels and extruded perimeter frame allow for large, glazed areas that can diffuse extensive amounts of natural light deep into interior spaces.



FIRE-RATED GLAZING CONTINUES TO CARRY LIGHT THROUGH INTERIORS

In order to continue pulling light through the building’s third floor gym and community spaces, a transparent solution was needed in areas of egress to meet stringent fire-rated code requirements. While most fire-rated materials such as gypsum and concrete obstruct the flow of sunlight, TGP’s Fireframes ClearView System with Fireframes Heat Barrier Series perimeter frames and doors promote transparency and visibility. Featuring nearly colorless transitions between adjoining pieces of glass, the fire-rated and impact safety-rated butt-glazed system eliminates the need for colored internal glass unit spacers or vertical frame mullions. The result is a clean and uncluttered aesthetic. With long spans of virtually uninterrupted glass and full-lite Fireframes Heat Barrier Series doors, the complete system improves views and enhances light transmission.

The Fireframes ClearView System is UL classified and labeled for interior applications. It is fire-rated for up to 120 minutes and tested in accordance with ASTM E119, indicating that it can defend against the spread of flames, smoke and heat for its designated fire rating. The high-performance system also satisfies the CPSC 16CFR1201 (Category II) safety-glazing classification.

Learn more about:

[Pilkington Profilit channel glass system](#)

[Fireframes ClearView System](#)

[Fireframes Heat Barrier Series](#)