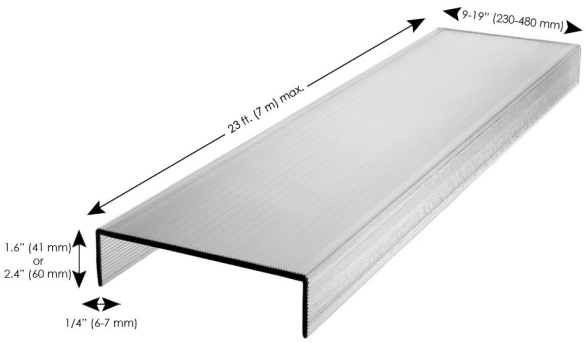
BENDHEIM

Bendheim Corporate
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Low-E Thermal Performance Coating for Channel Glass





Application:

Interior, Exterior

Composition:

Glass: 40% post-consumer + 20% pre-consumer recycled glass with a thermal performance hard coating

Installation:

Approx. ¼”-thick lightweight glass in channel form is relatively easy to install, especially with the smart design of Bendheim’s channel glass wall systems. No specialized training is required. Any competent commercial glazier with curtainwall or storefront installation experience can handle the channel glass installation. Cranes are not required, as individual glass channels are lightweight. The channels can be glazed on site or pre-assembled at the glazier’s shop using Bendheim’s unique unitized channel glass systems.

Approx Dimensions:

Length = up to 23 ft. (7 m); glass is fabricated to specified length. Width = 9" (230 mm), 10.3" (260 mm), 13" (330 mm), or 19.5" (480 mm). Flange depth = 1.6" (41 mm) for interior use, 2.4" (60 mm) for exterior use. Thickness = 0.24" (6 mm) for interior use, 0.28" (7 mm) for exterior use. Maximum size depends on wind loads, glass safety option, and other factors. Custom sizes may be available, please inquire.

Approx Weight:

Ranges approx. 4-5 lbs/ft² (20-25 kg/m²) for a single layer of channel glass (single-glazed configuration)

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Safety Options:

Tempered

Maintenance:

Bendheim glass is easy to maintain. We suggest cleaning with warm water and a lint free cloth (terry cloth). Conventional non-abrasive glass cleaners may also be used.

Performance Characteristics:

STC Rating = STC 34 to STC 38 | Note: STC 34 is based on test of Bendheim I-41 conventional interlocking double-glazed channel glass wall system with push-in gaskets. Wet-sealed I-60 channel glass system is projected to reach STC 38. Compare to STC 33 for a typical interior wall (1/2" drywall on each side, wood studs, no insulation) and STC 39 for a typical insulated interior wall (1/2" drywall on each side, wood studs + fiberglass insulation)

Testing:

Bendheim tempered safety channel glass is 100% heat soak tested (test is recommended for all exterior tempered glass applications), and Safety Glazing Council certified. It meets the requirements for ANSI Z97.1 & the Consumer Product Safety Commission CPSC 16FR, Part 1201 – Safety Standard for Architectural Glazing Materials. Heat soak testing minimizes the risk of spontaneous tempered glass breakage as a result of nickel sulfide inclusions.

Options & Customizations:

Glass Textures:

- 504 Rough Cast™
- Clarissimo™

Thermal Insulation Interlayers:

- Okapane (acrylic tubes)
- Wacotech TIMax (fiber glass)