

Okapane™ Channel Glass Insulation



Composition:

Miniature acrylic tubes covered by translucent fiberglass sheeting

Application:

Interior, Exterior

Installation:

Inserts in the cavity of a double-glazed channel glass wall. It is secured with silicone at the top, bottom, and one continuous side. The material arrives cut-to-size from the factory, and can be easily re-cut in the field to meet job conditions.

Approx Dimensions:

Factory cut-to-size; Thicknesses = 5/8" (16 mm), 1" (24 mm), 1.25" (32 mm), 1.5" (40 mm); can be easily cut to size in the field to meet site conditions

Approx Weight:

0.25 lbs/ft² (1.2 kg/m²)

Maintenance:

Okapane insulation is securely inserted and sealed inside the cavity of a double-glazed channel glass wall, and does not require maintenance post installation.

Performance Characteristics:

- **Visible Light Transmittance (VLT)** = 38% (24 mm Okapane)
- **U-Value** = 0.28 (24 mm Okapane without Low-E) / 0.19 (24 mm Okapane with Low-E)
- **Solar Heat Gain Coefficient (SHGC)** = 0.38
- **STC Rating** = Brings an improvement of 1-2 dB soundproofing

Potential Leed Credit:

- EA Credit 1: Optimize Energy Performance
- IEQ Credit 7.1: Thermal Comfort
- IEQ Credit 8.1: Daylight & Views: Daylight 75% of Spaces

Options & Customizations:

Four Thicknesses:

- 5/8" (16 mm)
- 1" (24 mm)
- 1.25" (32 mm)
- 1.5" (40 mm)