

PRODUCT GREEN GUIDE

Trifab™ 451UT Framing System



The Trifab™ 451UT (Ultra Thermal) framing system is designed for the most demanding thermal performance and employs a “dual” Isolock® Thermal Break.

RATING SYSTEMS

LEED v4 BD+C: New Construction

- ✓ EA: Optimize Energy Performance
- EA: Renewable Energy Production
- ✓ MR: Environmental Product Declarations
- ✓ MR: Sourcing of Raw Materials
- ✓ MR: Material Ingredients
- ✓ MR: Source Reduction - Lead, Cadmium, and Copper
- ✓ MR: Construction and Demolition Waste Management
- EQ: Thermal Comfort
- ✓ EQ: Daylight
- ✓ EQ: Quality Views
- ✓ EQ: Acoustic Performance

Living Building Challenge 3.1

- | | |
|---------------------------------|-----------------------------------|
| ✓ IMP 06: Net Positive Energy | ✓ IMP 12: Responsible Industry |
| ○ IMP 07: Civilized Environment | ✓ IMP 13: Living Economy Sourcing |
| ✓ IMP 08: Healthy Interior | ✓ IMP 14: Net Positive Waste |
| ✓ IMP 09: Biophilic Environment | ○ IMP 16: Universal Access |
| ✓ IMP 10: Red List | |

WELL Building Standard

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|-----------------------------------|-----------------------------------|
| ✓ 01: Air Quality Standards | ✓ 28: Cleanable Environment |
| ○ 03: Ventilation Effectiveness | ✓ 54: Circadian Lighting |
| ✓ 04: VOC Reduction | ○ 56: Solar Glare Control |
| ○ 08: Healthy Entrance | ✓ 61: Right to Light |
| ✓ 11: Fundamental Material Safety | ✓ 62: Daylight Modeling |
| ✓ 12: Moisture Mgmt | ✓ 63: Daylight Fenestration |
| ✓ 14: Air Filtration Mgmt | ○ 72: Accessible Design |
| ○ 15: Increased Ventilation | ✓ 74: Exterior Noise Intrusion |
| ○ 19: Operable Windows | ○ 76: Thermal Comfort |
| ✓ 25: Toxic Material Reduction | ✓ 97: Material Transparency |
| ✓ 26: Enhanced Material Safety | ✓ 98: Organizational Transparency |

FEATURES

- 2" (50.8mm) sightline
- 4-1/2" (114.3mm) depth
- Infill options up to 1-1/8" (28.6)
- Ultra thermal performance
- Blast mitigation
- Center glazed
- Flush glazed from either the inside or outside
- Screw Spline fabrication
- Single-span
- Storefront, Ribbon Window or Punched Openings
- Standard anodized finishes only

DOCUMENTS



Declare™

Document no. KAW-0014 & 0015
Red List Free



Environmental Product Declaration

Document no. 47868332121.104.1
Product-specific Type III EPD



Material Transparency Summary

Document no. MTSC060EN
Manufacturer Material Ingredient Inventory