

UniQuad® Translucent Window

Product Launch Training



Product Imagery



Frame Colors & Warranty

4 to 7-Week fabrication lead time (D2F < 1,000sf)

Frame Finish:

- Clear Anodized
- Standard Paint
- Mill Finish

Glazing:

- Clear Matte
- White Matte
- Ice White Matte

Corrosion resistant standard paint finish

- 1 or 5-year Warranty

Corrosion resistant premium paint finish

- 10-year Warranty

Corrosion resistant premium plus paint finish

- 10 or 20-year Warranty

Corrosion resistant exotic metallic finish

- 10-year Warranty

Anodized finish

- 1 or 5-year Warranty

Up to 12-Weeks fabrication lead time

Frame Finish:

- Bronze Anodized
- Custom Color Paint

Glazing:

- Blue Matte
- Green Matte
- White Pearl Low-E
- Others



Features & Benefits

- Thermally broken frame system
- Pre-engineered up to 6ft high
- Designed to meet 40psf wind loads
- Removable Skin Technology
- Multiple frame finish options
- Standard selection of glazing colors and combinations
- NFRC certified*
- Ease of installation due to panelized sections
- Installation by non-certified installers
- Faster lead times through Direct 2 Fab
- Limitless length

**Certification pending, testing complete.*

Testing & Certifications

- **Air Penetration | Exfiltration**
 - ASTM E283-04. Pass per AAMA at 6.24 PSF
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 - ASTM E283-04. Pass per AAMA at 6.24 PSF
- **Code Classification**
 - IBC Chapter 26. Approved Light Transmitting Plastics, CC1 Rating
- **Evaluation Report**
 - IBC. ICC-ESR Evaluation Report ESR-1253

Flammability

- **Self Ignition**
 - ASTM 1929-3. 1120° F
- **Smoke Density of Plastic**
 - ASTM D2843. 54%
- **Burn Extent**
 - ASTM D635. CC1 Rating – Less than 1" burn extent

- **Interior Flame Spread & Smoke Development**
 - ASTM E84. Class A flame spread & smoke development rating – Flame spread index less than 25
- **Large Missile Impact**
 - Passes Missile Level D Impact (50 ft./s)
- **NFRC**
 - SHGC: 0.12 – 0.37
 - U-Value: 0.18 – 0.30
 - VLT: 4% – 34%
- **Sound Transmission Loss – STC**
 - ASTM E90. STC 22-24 & OITC 15-17
- **Uniform Load**
 - ASTM E330-14. Pass – 40 PSF
- **Water Penetration**
 - ASTM E331-00. No penetration per AAMA at 15 PSF

How We Stack Up Against The Competition

	UniQuad Window System	Fiberglass Sandwich Panel
Removable Skin Technology (RST)	Yes. Exterior skin can be removed independently of the interior skin without compromising the integrity of the building envelope.	No. Exterior and Interior skins are glued to the grid core. Entire panel must be replaced which can compromise the integrity of the building envelope.
Panel Assembly and Connection	Two independent glazing panels made of extruded translucent polycarbonate, joined together by a mechanical interlocking connection. – Dry-glazed - No adhesives, no maintenance – Internal structural connector	Two fiberglass skins glued to an internal grid core structure. – Relies on the adhesives to maintain its integrity – Routine maintenance may be required to preserve UV resistance, adhesives, and sealants
Impact Strength	350 ft. lbs.	60 ft. lbs.
Fire – Self Ignition Temperature	1120° F	650° F

How We Stack Up Against The Competition

	UniQuad Window System	Fiberglass Sandwich Panel
Fire Safety	Self-venting which allows for release of hazardous gas, smoke and fumes.	Static. Hazardous gas, smoke & fumes remain and build with the first source.
Fire Burn Extent <i>(per ASTM D636)</i>	Interior – CC1 Rated Exterior – CC1 Rated	Interior – CC1 Rated Exterior – CC2 Rated <i>CC1 is available with a modified exterior face sheet which may adversely effect the weather performance</i>
Renewable Life-Cycle & Environmental Impact	Yes – option to replace only the exterior panels at the end of product's life-cycle, reducing the environmental impact. Disposal – material is recyclable (“cradle to cradle” life-cycle).	No – the entire panel must be replaced. Disposal – fiberglass sheets are recyclable although opportunities are limited (“cradle to grave” life-cycle).
Light Transmission <i>(NFRC Certified Value)</i>	Up to 34% <i>(Full light spectrum, including the blue light range)</i>	Up to 27% <i>(Blue light spectrum may be lost upon panel discoloration)</i>
Product Cost	Engineered to be competitive with fiberglass sandwich panel.	Estimated to be in the \$25/sf range

Frequently Asked Questions

- **Can I choose other colors not in this range?**

Yes, you can choose others colors, however, lead times are adjusted to accommodate custom quotes.

- **Is this product going to be a fixed cost / sq. ft.?**

No, standard pricing is not available because the cost is dependent on how many identical units there are, size of units, etc.

- **Can you go taller than 6 feet?**

No. This system is tested to a span of 6 feet. If a project requires a larger span, then we would suggest using a UniQuad Façade product.

- **Do we have Florida Product Approval?**

This product does not have Florida Product Approval but has passed Missile Level D – Impact Test.

- **What's the maximum length?**

The length can be limitless. Panelized in 12ft (maximum) sections.

- **Can you improve the thermal values?**

As with our UniQuad Facade product, we can insert insulation at an additional cost.

- **Does this product have to be ordered separate from other Kingspan Light & Air products?**

No, it can be combined with our UniQuad Translucent Façade or other products.