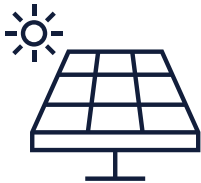


Quality Control & Quality Assurance



Testing & Inspection

Visual inspection of solar cells and testing for quality & performance



Electroluminescence

Inspection and testing of interlayer and solar wafers



Environmental & Stress Testing

Water infiltration, weight bearing, impact, heat, cold, and humidity



Safety & Fire Testing

PV safety, fire classification, fire performance of external cladding

We are dedicated to delivering high-performance, high-quality, long-lasting, and safe façade solutions.

Quality and Safety

ClearVue^{PV} Vision Glass, Spandrel, Skylight, Balustrade, and Cladding products are engineered to meet and/or exceed industry standards for quality, lifespan, and safety.

By undergoing rigorous testing, compliance, and certifications, our solar façade solutions demonstrate the reliability and suitability for deployment in diverse building envelope applications. This ensures optimal energy production, fire resistance, and thermal efficiency. Adherence to these standards underscores our commitment to deliver high-quality, dependable products that contribute to sustainable and resilient built environments.



Certifications & Compliance

ClearVue^{PV} Vision Glass

- 30-year linear power performance warranty
- 10-year product component warranty
- High resistance to high temperatures, high humidity, sand, acid, and alkali environmental conditions
- Fire certified by TÜV SÜD under the EN 13501-1:2018 A2-s1, d0 classification rating for combustibility
- Reliable IGU seal and IP67 connectors



QUALITY & SAFETY TESTING

EN 1279-2	Long term test method and requirements for moisture penetration. Intertek Europe (June 2024)
EN 1279-3	Long term test method and requirements for gas leakage and for gas concentration tolerance. Intertek Europe and SQI (Q3 2024)
ASTM E2190	Insulating Glass Unit Performance and Evaluation. Testing completed and certified by Insulating Glass Certification Council (IGCC)
IEC 61730 and IEC 61215	Electrical Safety Testing by TÜV SÜD
Underwriters Laboratories (UL) UL 61730	PV module safety testing for electrical and mechanical operation by Underwriters Laboratories (Q4 2024)
EN 13501-1	For vertical wall application. by TÜV SÜD Classified as A2-s1, d0 rating; Can be deployed on buildings over 18M high and high-risk environments like hospitals, schools, hotels, etc.

COMPLIANCE & CERTIFICATIONS



Certifications & Compliance

ClearVue^{PV} Spandrel

- 30-year linear power performance warranty
- 12-year product warranty
- High resistance to high temperatures, high humidity, sand, acid, and alkali environmental conditions
- Fire certified by TÜV SÜD under the EN 13501-1:2018 A2-s1, d0 classification rating for combustibility
- Reliable seal and IP68 connectors



TESTING STANDARDS

IEC 61215-1	Terrestrial photovoltaic modules - Design qualification and type approval - Part 1 test requirements
IEC 61215-1-1	Terrestrial photovoltaic modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic modules
IEC 61215-2	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures
IEC 61730-1	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
IEC 61730-2	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing
EN 13501-1:2018	Fire classification of construction products and building elements - Achieved A2-s1, d0
AS 4284	Testing of the building facade (Q3 2024)
AS/NZS 1530.3	Fire tests on building materials, components, and structures; Part 3: Ignitability, flame propagation, heat release, and smoke release
Clean Energy Council (CEC) of Australia	Certification - Approved for installation and meets safety standards
ISO	9001 Certified manufacturing facility
UL 61730	PV module safety testing (Q4 2024)

COMPLIANCE & CERTIFICATIONS



Certifications & Compliance

ClearVue^{PV} Cladding

- 30-year linear power performance warranty
- 12-year product warranty
- High temperatures and humidity resistance
- High strength and corrosion resistance
- Fire certified by TÜV SÜD under the EN 13501-1:2018 A2-s1, d0 classification rating for combustibility
- Reliable seal and IP68 connectors
- Excellent wind resistance and static load performance



TESTING STANDARDS

IEC 61215-1	Terrestrial photovoltaic modules - Design qualification and type approval - Part 1 test requirements
IEC 61215-1-1	Terrestrial photovoltaic modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic modules
IEC 61215-2	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures
IEC 61730-1	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
IEC 61730-2	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing
EN 13501-1:2018	Fire classification of construction products and building elements - Achieved A2-s1, d0
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COMPLIANCE & CERTIFICATIONS



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Performance and efficiency of solar photovoltaic (PV) systems, including Building Integrated Photovoltaic (BIPV) products, may vary based on factors such as location, installation, maintenance, and environmental conditions. Customers are advised to consult with qualified professionals for specific installation requirements and to ensure compliance with local regulations, building codes, and standards.

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For more detailed product information, warranty terms, and installation guidelines, please refer to official specifications documentation for each individual product or contact our technical support team.