

BPIR DECLARATION

GLAZING BARS AND POLYCARBONATE SHEETS

Version 2.1 | September 2026

Universal Glazing Systems Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022. See Regulations.

1. PRODUCT OVERVIEW

Product Type	Polycarbonate Roofing Systems
Designated Building	Class 1
Supplier	Universal Glazing Systems Ltd
Version	2.1 – September 2024

1. COMPANY DETAILS

Name	Universal Glazing Systems Limited
Role	Supplier
NZBN	Universal Glazing Systems Ltd
Address	29 Grivelle Street, Kumeū 0810
Website	www.ugs.co.nz
Email	info@ugs.co.nz
Phone	09 553 8581

3. DESCRIPTION OF BUILDING PRODUCT

(UGS) ClearSpan, Box and Bar Systems (including EconoGlaze), and associated Polycarbonate Glazing Sheets (solid / flat polycarbonate panels).

PRODUCT IDENTIFIER(S):

Glazing Bars: ClearSpan Structural Glazing Boxes and Bars, EconoGlaze Bars, various profiles/sizes (e.g., for 6-10mm glazing thickness).

Polycarbonate Sheets: UGS Solid Polycarbonate Glazing Sheet – 6mm / 8mm, lengths e.g., 4050mm / 6050mm, colours as specified.

PRODUCT DESCRIPTION AND INTENDED USE:

UGS glazing system are aluminium structural profiles designed to support and seal glazing materials such as polycarbonate sheets, glass, or acrylic in roofing, canopy, pergola, carport, walkway, and similar overhead or vertical applications. They provide weather-tight fixing, spanning capability, and integration with rafters/purlins or full structural kits.

Polycarbonate sheets are high-impact, UV-resistant solid/flat glazing panels (e.g., 6mm and 8mm thicknesses in Clear, Grey, Opal) manufactured from virgin polycarbonate resin. They are used as lightweight, translucent roofing or wall infill in conjunction with UGS glazing systems for residential and light commercial outdoor structures. Intended for use in New Zealand conditions, including high wind zones, within the scope of NZ Building Code for non-structural or secondary structural elements in sheltered or engineered assemblies.

4. CODE CLAUSES

Typical relevant clauses include (exact contribution depends on full system design and engineering Statement on How the Product Contributes to Compliance)

B1 STRUCTURE B1.3.1, B1.3.2, B1.3.3	Glazing bars provide mechanical fixing, spanning, and sealing to form a weather-tight roof/wall system when installed per UGS instructions and project-specific engineering (PS1 where required). They support compliance with B1 and E2 through tested or engineered load capacities and drainage/weep features.
B2 DURABILITY B2.3.1	
F2 HAZARDOUS BUILDING MATERIALS F2.3.1	Polycarbonate sheets contribute impact resistance, light transmission, and basic thermal performance. In combination with the glazing systems, they meet weather tightness and structural requirements for intended low-to-medium rise, sheltered-to-moderate exposure applications when properly designed/installed.

5. COMPLIANCE

Compliance is typically via supported engineering, span tables, and installation guides. Refer to UGS technical resources for specific performance data.

6. LIMITATIONS ON USE

Suitability depends on wind zone, span, pitch, support structure, and full system design. High-wind or high-seismic sites require specific verification.

Must be installed by competent persons following manufacturer instructions. Not for applications outside intended scope.

Edge spacers, flashings, and seals must be used as specified.

DESIGN REQUIREMENTS SUPPORTING APPROPRIATE USE:

- Use UGS span charts, load tables, and engineering guidance.
- Coordinate with rafter/purlin spacing (e.g., 600–750mm centres for polycarbonate).
- Account for thermal expansion, drainage, and fixings per NZS 3604 or specific standards.

ADDITIONAL INFORMATION / SUPPORTING DOCUMENTS:

- Available on <https://ugs.co.nz/> (brochures, span tables, installation PDFs, technical support).
- Contact UGS for project-specific advice, warranties, or full compliance documentation.

This BPIR statement is prepared to meet the requirements of the Building (Building Product Information Requirements) Regulations 2022 (Schedule 1 for Class 1 products). Information is based on publicly available details from UGS and should be verified with the manufacturer for the latest data. For full technical specifications, visit the UGS website or contact them directly.

Date: Current as of 2026.

Manufacturer Declaration: Universal Glazing Systems Limited confirms the above information is accurate to the best of their knowledge for the stated products.