

## Products - SMART Evolution Windows

Evolution is designed to offer a modern aluminium thermally broken replacement to steel windows. Taking inspiration from traditional steel windows, Evolution features signature slim sightlines and attractive aesthetic contours coupled with polyamide thermal break technology giving Evolution enhanced thermal performance and maximised sightlines.

### Features

1. High thermal efficiency using slimline profiles.
2. Chamfered or square main profile options.
3. High security glazing.
4. Shoot-bolt locking
5. Internally beaded



### Technical Details

**Materials** Aluminium Alloy 6060/6063 in condition F22 to NBN P21-001 and DIN 1725.  
Complies with BS EN 12020-2:2001/BS755-9:2001.

Thermal break: Polyamide strips PA 6.6. 25% reinforced with glass fibre.

Seals: EPDM to DIN 7863, TV 110 NFP 85301, ISO 3994.

**Finishes** Polyester powder coat to BS 6496/APA-Qualicoat Guidelines. Anodised satin or bronze colours with EWAA/EURAS-Qualinod quality label.  
Dual colour available.

**Profile Width** Various options depending on design considerations

**Depth of Frame** 47mm

### Building Applications

Designed as a thermally broken replacement for old steel windows and for use as fixed lights and open out windows. It is an internally beaded tape glazed system suitable for both commercial and domestic applications.

**Special Features** System designed to be built as a series of horizontal modules which can be stacked using horizontal couplers. Designed for high thermal efficiency using slimline profiles. Chamfered or square main profile option. High security glazing and shoot-bolt locking options.

### Size Limitations

Max Width : 600mm  
Max Height : 1200mm  
Max Weight : 90kg

**Glazing** 24mm

**Sash Inserts** Top or side hung opening options.

**Performance** Weather tested in accordance with BS6375 Pts 1&2  
Complies with Document L for thermal transmittance.