

AA®540 Series Window Systems

Introduction

The AA®540 Series corresponds to the BRE Global Green Guide online generic specification for windows and achieves a summary rating of A+*. The AA®540 has been designed with aesthetics and energy efficiency in mind to ensure compliance with today's stringent performance requirements.

Suitable for new build and refurbishment projects, the AA®540 is the window of choice for all applications. Consisting of a Casement, Pivot and Tiltturn window within the same suite, the AA®540 is suitable for Education, Healthcare, Commercial, Retail and Residential markets where cost is the key driver.

A polyamide thermal break offers the option of single and dual colour along with enhanced thermal performance. The excellent weather performance ensures that the AA®540 system is suitable for low or high rise applications.

It is designed to suite with Kawneer's curtain walling, framing and door products ensuring total flexibility in application.

For information on Kawneer's AA®545 Swing Door, which completes the AA®540 Series Window & Door Range, please refer to the Door Systems brochure.

Construction

Crimped with mechanical corner cleats. Corner braces are also used.

Weathering is achieved by the use of single and dual durometer, EPDM gaskets – all with non-shrinkage cord.

Pressure equalised system.

Configurations

The AA®540 Series offers the following design configurations:

Outward Opening

- Top Hung
- Side Hung
- Vertical Pivot (and Offset Pivot)
- Horizontal Pivot

Inward Opening

- Tiltturn
- Tiltturn (Side Hung)
- Tiltturn (Bottom Hung)

Glazing

Glazing and panels up to 39mm thickness can be accommodated.

Security*

The AA®541 Casement and AA®543 Tiltturn Windows have been independently tested to PAS 24:2016.

* Does not refer to standard hardware, security hardware required.



Independently Weather Performance Tested to BS 6375-1: 2015

	Air Infiltration BS EN 12207: 2000	Watertightness BS EN 12208: 2000	Wind Resistance BS EN 12210: 2000
AA®541 Casement	Class 4 (600 Pa)	Class 9A (600 Pa)	Class E2400 (2400 Pa)
AA®542 Pivot	Class 4 (600 Pa)	Class 9A (600 Pa)	Class E2400 (2400 Pa)
AA®543 Tiltturn	Class 4 (600 Pa)	Class 9A (600 Pa)	Class E2400 (2400 Pa)

All Windows comply with Operation and Strength Test BS 6375 Pt2: 2015

Details of the Kawneer product tests are available from the Technical Services Department at Runcorn.

* www.thegreenguide.org.uk Element Number 1231500011

