



# Specification Guide

Issue 08

**spectus**

*n.* look, appearance, aspect



# Casement Windows

Spectus provides a range of Elite 70 and Elite 63 casement windows, which are available in a range of styles, single top or side hung openers, multi-lights and French windows, internally or externally glazed offering bevelled, chamfered or ovolo finishes.

The window system is fully BSI kitemarked.

## Profile

Acrylic modified high quality impact resistant white PVC-U extrusion, producing a rigid multi-chambered profile to BS EN 12608 manufactured to BS EN ISO 9001.

## Reinforcement

A multi chamber profile allows for fully enclosed reinforcement. Recycled Composite Material (RCM) thermal inserts, aluminium and/or steel reinforcements are used in accordance with the system supplier's recommendations.

## Performance

Energy efficient windows achieving a Window Energy Rating (WER) of Bands A+ -C.

A U-value of 1.6 W/(m<sup>2</sup>.K ) or A++ can be achieved to meet current Building Regulations.

Co-extruded bubble weather seals ensure the performance meets the requirements of BS 6375-1.



Top Hung – test results	Value
Air permeability	300Pa
Water tightness	600Pa
Wind resistance	2000Pa
Side Hung – test results	Value
Air permeability	300Pa
Water tightness	750Pa
Wind resistance	2400Pa

Elite 70 results shown

## Glazing

Double/Triple glazing to BS6262 can be supplied using 24-44mm insulating glass units depending on thermal and acoustic performance requirements.

## Ventilation

Opening vents are hinged using friction hinges, restricted friction hinges are also available, together with egress hinges for window openings in case of fire.

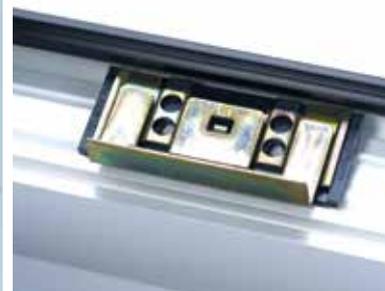
## Hardware

Our casement window range is fitted with espagnolettes with mushroom headed catches or high security shoot bolts. Locking or non-locking handles are available in a range of finishes.

All our hardware meets the requirements of BS7412. Windows fitted with high security hardware meet the requirements of PAS24.



Run Up Block



Security Clip (External glazing only)



Dedicated Keeps



Hinge Protector



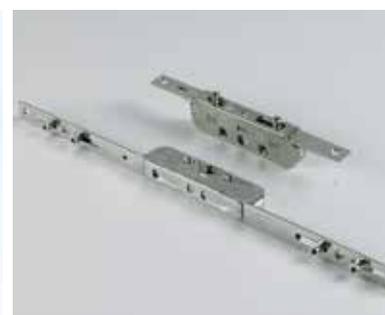
Shootbolt Extension



Chrome Handle



Defender Hinge



Rail Espags



# Tilt & Turn Windows

These tilt & turn windows with dual opening action are available in Elite 70. The windows are provided with all round locking, internally glazed, open-in, providing good security and weather tightness.

Tilt & Turn windows are unlike standard windows as they open inwards. The windows are incredibly easy to operate with a 1/4 turn of the handle the window can tilt inwards from the top to give normal ventilation then a further 1/4 turn of the handle to allow the window to fully open for easy cleaning in side and out.

The tilt before turn operation provides improved child safety and the ability to carry out internal and external cleaning without risk; a vital consideration in high-rise applications. The tilt mode offers secure ventilation; an important factor in ground floor installations.

The window system is BSI kitemarked.

## Profile

Acrylic modified high quality impact resistant white PVC-U extrusion, producing a rigid multi-chambered profile to BS EN 12608 manufactured to BS EN ISO 9001.

## Reinforcement

A multi-chamber profile allows for fully enclosed reinforcement. Recycled Composite Material (RCM) thermal inserts, aluminium and/or steel reinforcements are used in accordance with the system supplier's recommendations.

## Glazing

Double/Triple glazing to BS6262 can be supplied using 24mm-44mm insulating glass units depending on thermal and acoustic performance requirements.



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## Performance

Energy efficient windows achieving a Window Energy Rating (WER) of Bands C - A+.

A minimum U-value of 1.6 W/(m<sup>2</sup>.K) or A++ can be achieved to meet current Building Regulations.

Co-extruded bubble weather seals ensure the performance meets the requirements of BS 6375-1.

Test	Value
Air permeability	600Pa
Water tightness	450Pa
Wind Resistance	2400Pa

Elite 70 results shown.

## Hardware

Tilt & Turn windows are fitted with all round

multipoint locking mechanisms, locking or non-locking handles in a range of finishes.

All hardware meets the requirements of BS7412. Windows fitted with high security hardware meet the requirements of PAS24.

## Ventilation

In addition to the tilt mode, controllable or permanent ventilators are offered as an optional extra, fitted within the head profile of the window.