

TILT & TURN



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- > Part of a technically advanced suite of windows & doors
 - > Timber and AluClad variants
 - > Available in the full range of RAL colours
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The Norwood Tilt and Turn window enables ventilation, easy cleaning, and escape options built in as standard.

An inward opening window, the system can optionally be produced as Tilt first or Tilt only with a range of restrictors and handle choices to limit functionality for safety and security purposes.

One of the many great advantages of the Tilt and Turn system is that windows can be produced in large sash sizes to provide maximum ventilation and light, even with the highest specifications of glazing, and also as a door system to support project design requirements if required.

The Tilt and Turn window meets the requirements of PAS24 and Secured By Design.



TECHNICAL DESCRIPTION

Standard

0.8
U-value

Options

1.0
U-value

FRAME DIMENSIONS

The system has a 109 mm back to front frame section with a choice of 65 mm, 90 mm or 112 mm frame heights. The system is designed to carry a range of glazing depths from 24 mm double glazing to 48 mm triple glazing units in the Passive version. The AluClad version increases the overall back to front dimension by 11 mm.

TIMBER

All windows and doors are manufactured from engineered PEFC certified softwood timber, which is laminated & finger jointed to provide the highest consistency of quality and stability to our finished frames. A non-finger jointed option is available at extra cost if required. On request, we can produce frames in Oak or Accoya, including softwood/hardwood combination frames.

ALUCLAD

The AluClad variants, which are available in the full range of RAL colours, create an external ‘weather shield’ for the timber providing a highly durable external finish which is easy to maintain and modern in appearance. This provides a best of both worlds option for customers wanting the natural appearance and warmth of timber internally, and a sleek, robust, low maintenance finish externally.

PAINT & PRESERVATIVE

Using Teknos water based coating systems Norwood timber windows & doors can be supplied in any RAL or NCS colour, including dual colour. All timber is dipped or sprayed with Teknos timber preservative to provide protection against wood destroying and wood discolouring fungi which satisfies the performance requirements of EN 599-1.

COLOUR OPTIONS

The standard product colour of windows and doors in both timber and AluClad variants is white (RAL 9010 or NCS S 0502Y) but all products are available in the full range of RAL or NCS colours.

GLAZING OPTIONS AND PERFORMANCE

All Norwood windows and doors can be supplied with double or triple glazing and can achieve a maximum u- value performance of 0.8 W/m²K to meet the most demanding thermal standards including Passive. Glazing options include toughened safety, laminated, acoustic and solar control to meet most projects requirements. Acoustic performance to 44db and g-values to 0.23 are achievable.

Frames are supplied pre-glazed from the factory to guarantee the highest quality and provide optimum technical performance though for health & safety reasons very large frames may be supplied unglazed for glazing on site after installation.

HARDWARE & SECURITY

The Tilt and Turn window range is manufactured using German designed Roto Royal hardware. Robust in use and low maintenance, the entire mechanism is concealed in the rebate between the outer frame and the opening sash.

CILLS, COUPLERS, GLAZING BARS AND ANCILLARIES

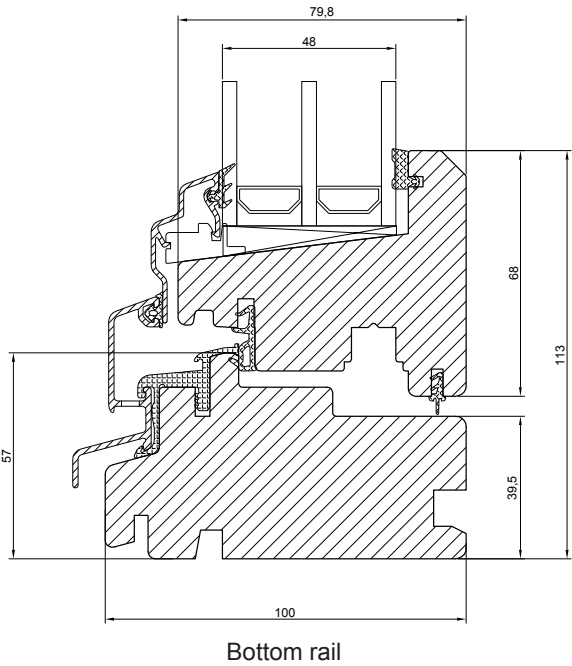
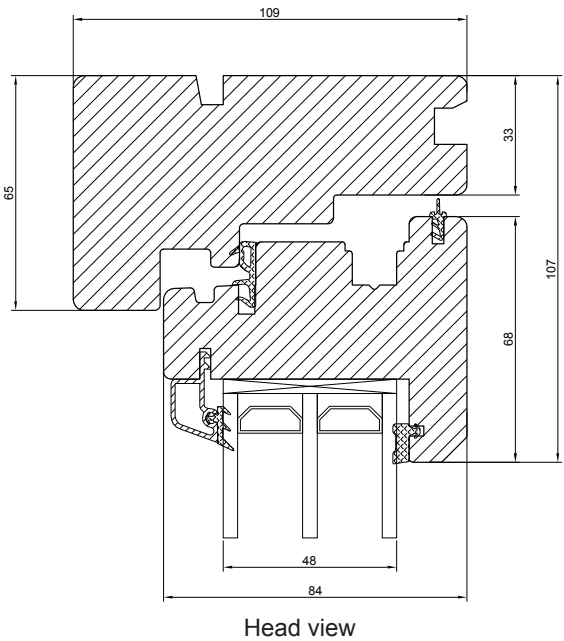
A large range of cills, couplers, glazing bars and ancillary profiles are available - see separate datasheets for information.

MARKET SECTOR PRODUCT SUITABILITY

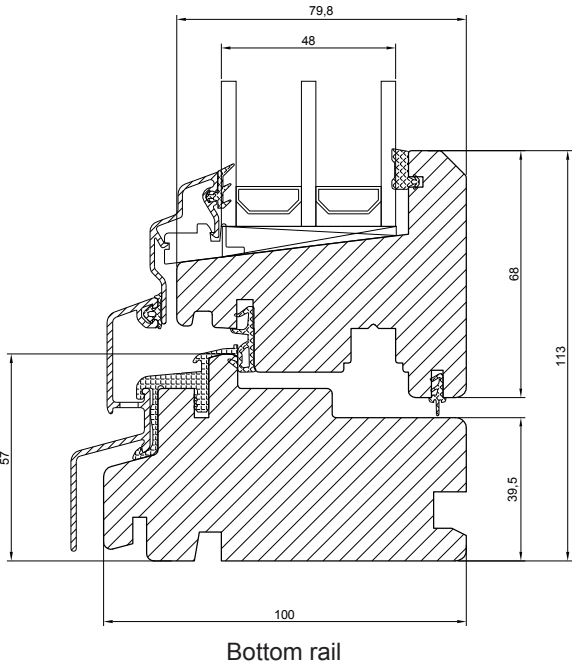
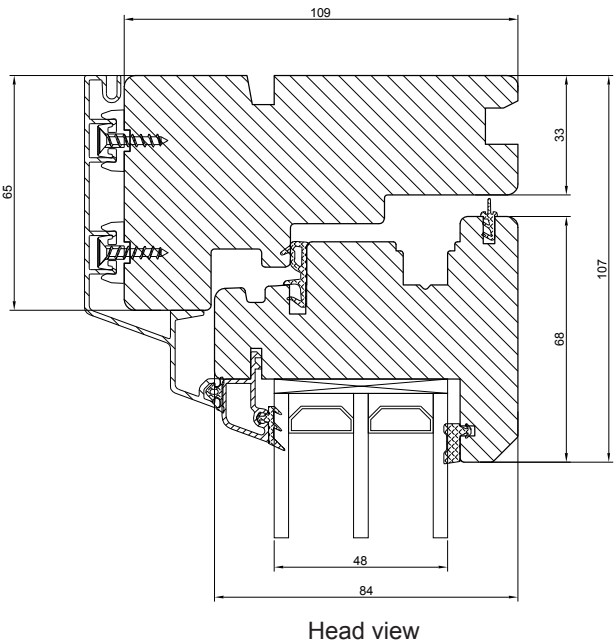
Norwood window and door systems are designed to provide outstanding solutions for the following market sectors:

- Offsite Construction
- Commercial Installations
- Home Improvement and Self Build Installations
- New-build Construction

TILT AND TURN PASSIVE WINDOW TIMBER



TILT AND TURN PASSIVE WINDOW WITH ALUCLAD



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