easy-trimroto

THE ASPIRATIONAL ROOF WINDOW

Contents

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THE ASPIRATIONAL ROOF WINDOW

Always one step ahead
Our vision of high quality roof windows

1 Easy and quick to fit
- Up to 30 % quicker to install*
- Clip type assembly used for the exterior profiles (no screws)
- Bracket and optional thermal insulation system pre-fitted

2 More energy savings
- High insulation and reduction of thermal bridges
- Treatment of air permeability
- More natural light and heat

3 More natural lighting
- Up to 10 % more light area**
- Slimmer exterior profiles and no control bar at the top of the window
- More natural light

4 Maximum convenience
- Outwards opening[3] so not to encroach on the living space
- One handle at the bottom of the sash for all functions (opening, ventilation, cleaning)

* Compared to a standard roof window with optional energy efficiency packages
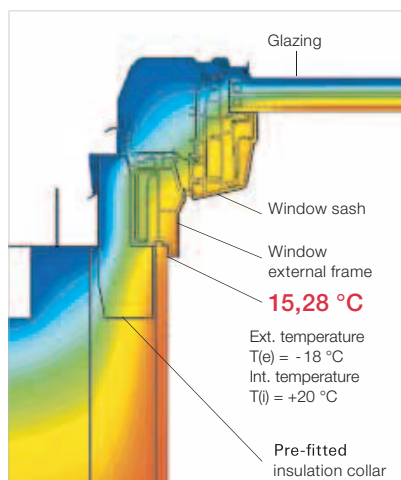** For ETR7 and ETR4 compared to standard roof windows with equivalent dimensions

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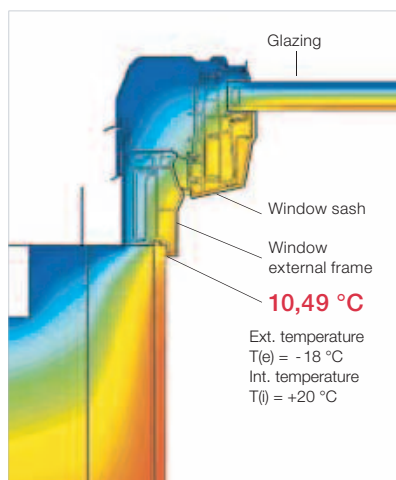**THE ASPIRATIONAL ROOF WINDOW**

Energy Efficiency

In order to combat climate change by substantially and rapidly reducing greenhouse gas emissions, low-energy constructions have become a priority. Making the most of its considerable German know-how in the field of ecobuilding, Easy-Trim Roto has invested heavily in the technical aspects of the Easy-Trim Roto roof window range, to ensure that it provides an innovative solution to the new thermal requirements of passive or low energy consumption buildings.

1 High Thermal Insulation

Glazing

Window sash

Window external frame

15,28 °C

Ext. temperature T(e) = -18 °C
Int. temperature T(i) = +20 °C

Pre-fitted insulation collar

Isothermal diagram ETR8
with pre-fitted insulation collar

Glazing

Window sash

Window external frame

10,49 °C

Ext. temperature T(e) = -18 °C
Int. temperature T(i) = +20 °C

Isothermal diagram ETR8
without pre-fitted insulation collar

■ **Reduction of thermal bridges:** pre-fitted thermal insulation collar* (see cross-section below nb. 1)

■ **High thermal insulation:** double or triple** low energy Easy-Trim Roto glazing

U-value of 0,80 W/m²K for ETR8 (PVC) with the triple glazing Roto blueTec Plus (9P) according to the 'Passiv house' standard

*   Optional on ETR7 and ETRi4 and as standard on ETR8
** Triple glazing only for ETR8
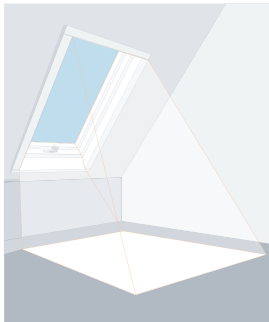
2 Air Permeability

- **High Air Permeability:**
  Vapour barrier included as standard in accordance with DIN EN 12207 (classification A3)

- **'Blower Door' test (DIN EN 13829):**
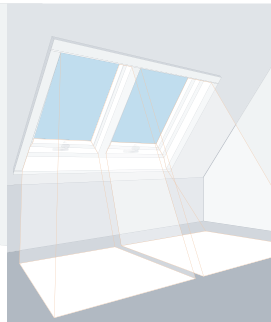 Double rubber seal to ensure airtightness compliance

ETR7 PVC, with low-energy glazing, optional pre-fitted insulation collar and vapour barrier as standard

3 More Natural Light

Slimmer external profiles
for a greater light area

Combination side-by-side or stacked
for even more light

- **Greater light area*:**
  Slimmer external profiles for a greater light area compared to other windows on the market

- **More light:**
  Window height up to 1600 mm for optimal space utilisation and light yield (ETR4, ETR7, ETR8)

* For ETRi4 and ETR7

4 Natural Heat

ETR7 PVC, double insulation glazing and Screen exterior blind

- **Greater Energy Savings:**
  Double or triple** glazing with low emissivity and exterior sun screening to get maximum natural light whilst maintaining energy saving in winter and summer

** Triple glazing for ETR8 only

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Manual Opening
Roof Windows

ETR7
Manual Opening top-third roof window

- Top-third opening
- Single handle operation at the bottom
- Double low emissivity glazing prevents heat escaping through windows
- Optional thermal insulation system pre-fitted
- No obstructive sash

ETR8
Manual Opening top-hung roof window

- Window sash opens seamlessly to 45°
- Single handle operation at the bottom
- Double and triple low emissivity glazing prevents heat escaping through windows
- Thermal insulation system pre-fitted
- Maximum headroom and panoramic view

ETR4
Manual Opening centre-pivot roof window

- Centre-pivot opening
- Double low emissivity glazing

ETR6
Manual Opening Centre-pivot roof window

- Centre-pivot opening
- Double low emissivity glazing
- Optional thermal insulation system pre-fitted

Intelligent Motion

Electronic Opening Roof Windows

ETRi8
Intelligent Opening top-hung roof window

- Window sash opens seamlessly to 45°
- Double and triple low emissivity glazing prevents heat escaping through windows
- Thermal insulation system pre-fitted
- Maximum headroom and panoramic view

ETRi4
Intelligent Opening centre-pivot roof window

- Centre-pivot opening
- Double low emissivity glazing
- Optional thermal insulation system pre-fitted
- Designed for spaces that are difficult to access

ETRi6
Intelligent Opening centre-pivot roof window

- Centre-pivot opening
- Double low emissivity glazing
- Optional thermal insulation system pre-fitted
- Designed for spaces that are difficult to access

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ETR7
Window Sizes

Standard windows

Dimensions	5	6	7	9	11	13
mm	540	650	740	940	1140	1340

7	780						
9	980						
11	1180						
14	1400						
16	1600						

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ETR7 Top-Third Pivot Roof Window

Timber

The benefits at a glance

- Usage:
  – All room environments

- Thermal transmission value UW:
  – Glazing 5 / 8: UW 1,5 W/m²K

- Thermal insulating value Ug:
  – Glazing 5 / 8: Ug 1,1 W/m²K

- Weighted sound reduction index RW:
  – Glazing 5: 32 (-1; -4) dB
  – Glazing 8: 37 (-1; -5) dB

Usage: from 20° to 65°

7/9, 7/11, 7/14, 7/16, 9/14 are all 'Means of Escape' as standard

Functionalities

Plenty of headroom Top-third pivot point

Ventilation - easy and practical

Easy and safe cleaning in cleaning position

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Window size	5/7	5/9	5/11	6/11	7/9*	7/11*	7/14*	7/16*	9/14*	11/9	11/11	13/9	13/14
Window frame external dimension in cm (Width x Height)	54/78	54/98	54/118	65/118	74/98	74/118	74/140	74/160	94/140	114/98	114/118	134/98	134/140
Light area for roof windows in m²	0,24	0,31	0,39	0,50	0,50	0,57	0,66	0,84	0,97	0,81	1,00	0,96	1,46

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETR7 5 T AL

Roto blueLine Plus (glazing 8): double safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / argon 16 / LSG 6)

ETR7 8 T AL

Pre-fitted insulation collar with Roto blueLine (glazing 5):

ETR7 5 T AL IC

Pre-fitted insulation collar with Roto blueLine (glazing 8):

ETR7 8 T AL IC

Single flashing for ETR7

FL 1x1 ZIE AL	▪
FL 1x1 SNO AL	▪
FL 1x1 SNH AL	▪
FL 1x1 SDS AL	▪
FL 1x1 MUN AL	▪

T	= Timber	**FL**	= Flashing	*	MOE (Means of escape) as standard
PT	= White Painted Timber	**IC**	= Pre-fitted insulation collar	▪	Index of flashings: please refer to page 30
P	= PVC	**AL**	= Aluminium anthracite-metallic (R703)		

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ETR7 Top-Third Pivot Roof Window

White
Painted Timber

The benefits at a glance

- Usage:
  – All room environments

- Thermal transmission value UW:
  – Glazing 5 / 8: UW 1,5 W/m²K

- Thermal insulating value Ug:
  – Glazing 5 / 8: Ug 1,1 W/m²K

- Weighted sound reduction index RW:
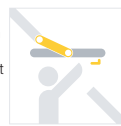 – Glazing 5: 32 (-1; -4) dB
  – Glazing 8: 37 (-1; -5) dB

Usage: from 20° to 65°
7/9, 7/11, 7/14, 7/16, 9/14 are all 'Means of Escape' as standard

Functionalities

	Plenty of headroom Top-third pivot point	Ventilation - easy and practical	Easy and safe cleaning in cleaning position	FSC

FSC www.fsc.org FSC® C047294
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Window size	5/7	5/9	5/11	6/11	7/9*	7/11*	7/14*	7/16*	9/14*	11/9	11/11	13/9	13/14
Window frame external dimension in cm (Width x Height)	54/78	54/98	54/118	65/118	74/98	74/118	74/140	74/160	94/140	114/98	114/118	134/98	134/140
Light area for roof windows in m²	0,24	0,31	0,39	0,50	0,50	0,57	0,66	0,84	0,97	0,81	1,00	0,96	1,46

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETR7 5 PT

Roto blueLine Plus (glazing 8): double safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / argon 16 / LSG 6)

ETR7 8 PT

Pre-fitted insulation collar with Roto blueLine (glazing 5):

ETR7 5 PT

Pre-fitted insulation collar with Roto blueLine (glazing 8):

ETR7 8 PT

Single flashing for ETR7

FL 1x1 ZIE	■
FL 1x1 SNO	■
FL 1x1 SNH	■
FL 1x1 SDS	■
FL 1x1 MUN	■

T	= Timber	FL	= Flashing	* MOE (Means of escape) as standard
PT	= White Painted Timber	IC	= Pre-fitted insulation collar	■ Index of flashings: please refer to page 30
P	= PVC	AL	= Aluminium anthracite-metallic (R703)	

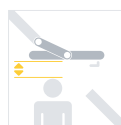# ETR7 Top-Third Pivot Roof Window

PVC
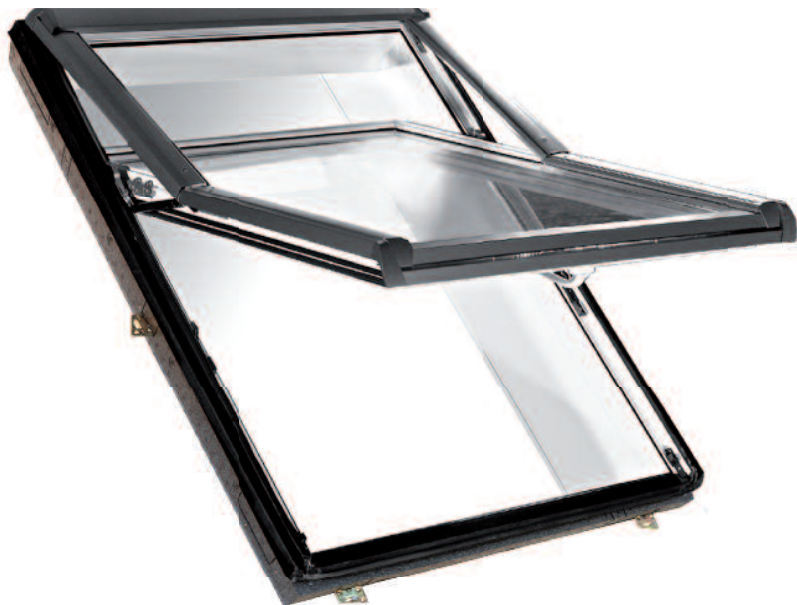
The benefits at a glance

- Usage:
  – All room environments

- Thermal transmission value UW:
  – Glazing 5 / 8: UW 1,5 W/m²K

- Thermal insulating value Ug:
  – Glazing 5 / 8: Ug 1,1 W/m²K

- Weighted sound redcution index RW:

Usage: from 20° to 65°

7/9, 7/11, 7/14, 7/16, 9/14 are all 'Means of Escape' as standard

Functionalities

| Plenty of headroom Top-third pivot point | Ventilation - easy and practical | Easy and safe cleaning in cleaning position |

Window size	5/7	5/9	5/11	6/11	7/9*	7/11*	7/14*	7/16*	9/14*	11/9	11/11	13/9	13/14
Window frame external dimension in cm (Width x Height)	54/78	54/98	54/118	65/118	74/98	74/118	74/140	74/160	94/140	114/98	114/118	134/98	134/140
Light area for roof windows in m²	0,24	0,31	0,39	0,50	0,50	0,57	0,66	0,84	0,97	0,81	1,00	0,96	1,46

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETR7 5 P AL

Roto blueLine Plus (glazing 8): double safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / argon 16 / LSG 6)

ETR7 8 P AL

Pre-fitted insulation collar with Roto blueLine (glazing 5):

ETR7 5 P AL

Pre-fitted insulation collar with Roto blueLine (glazing 8):

ETR7 8 P AL

Single flashing for ETR7

FL 1x1 ZIE AL ▪
FL 1x1 SNO AL ▪
FL 1x1 SNH AL ▪
FL 1x1 SDS AL ▪
FL 1x1 MUN AL ▪

T	= Timber	FL	= Flashing	* MOE (Means of escape) as standard
PT	= White Painted Timber	IC	= Pre-fitted insulation collar	▪ Index of flashings: please refer to page 30
P	= PVC	AL	= Aluminium anthracite-metallic (R703)	

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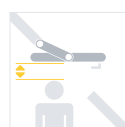# ETR7 Conservation Top-Third Pivot Roof Window

Timber

The benefits at a glance

- Usage:
  – All room environments

- Thermal transmission value UW:
  – Glazing 5 / 8: UW 1,5 W/m²K

- Thermal insulating value Ug:
  – Glazing 5 / 8: Ug 1,1 W/m²K
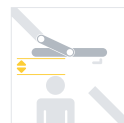
- Weighted sound redcution index RW:

INSTALLER TIP

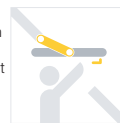- Please refer to manufacturers opening sizes for recessed flashings

Usage: from 20° to 65° with standard flashing. Recessed flashing from 35° to 65°
7/9, 7/11, 7/14, are all 'Means of Escape' as standard

Functionalities

Plenty of headroom Top-third pivot point

Ventilation - easy and practical

Easy and safe cleaning in cleaning position

Traditional appearance

The Easy-Trim Roto conservation roof window combines traditional appearance with modern technology to provide an energy-efficient product which blends perfectly with natural roofing materials. Based on the ETR7 technology its high pivot position provides more headroom while minimising the extent to which the frame protrudes into the living space. The operating handle positioned in the base of the window makes life easier too.

Window size	5/7	5/9	6/11	7/9	7/11	7/14
Window frame external dimension in cm (Width x Height)	54/78	54/98	65/118	74/98	74/118	74/140
Light area for roof windows in m²	0,24	0,31	0,50	0,48	0,59	0,72

These roof windows are also available with pre-fitted insulation collar.

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETR7C **5** T
ETR7C **5** P
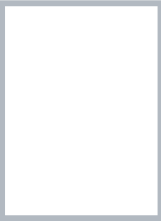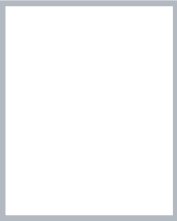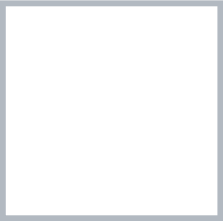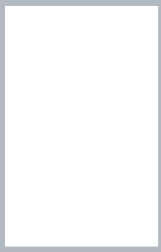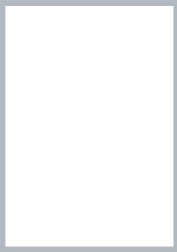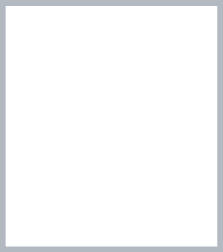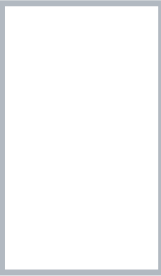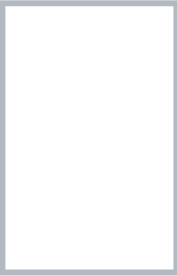
Only ZIE, SNO flashing included in the price, ask about additional cost for SNH, SDS, MUN flashings.

T = Timber

ETR8
Window Sizes

Standard windows

Dimensions	5	6	7	9	11	13
mm	540	650	740	940	1140	1340

	5 / 540	6 / 650	7 / 740	9 / 940	11 / 1140	13 / 1340
7 / 780	▢					
9 / 980	▢	▢	▢			▭
11 / 1180	▢	▢	▢		▢	
14 / 1400		▢	▢	▢	▢	
16 / 1600			▢	▢	▢	
18 / 1800			▢	▢	▢	

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ETR8 top pivot roof window

Timber & White Painted Timber

The benefits at a glance

- Usage: All room environments

- Thermal transmission value UW:
  – Triple glazing 9P: UW 0,82 W/m²K
  – Double glazing 5 / 8:
  UW 1,2 W/m²K

- Thermal insulating value Ug:
  – Triple glazing 9P: Ug 0,5 W/m²K
  – Double glazing 5 / 8:
  Ug 1,0 W/m²K

- Weighted sound reduction index RW:
  – Triple glazing 9P: 37 (-2; -6) dB
  – Double glazing 5 : 34 (-2; -5) dB
  – Double glazing 8: 39 (-2; -5) dB

Usage: from 20° to 65°

**7/9, 7/11, 7/14, 9/16 are all
'Means of Escape' as standard**

Functionalities

Maximum headroom when window open

Easy and safe cleaning with self-adjusting cleaning position

INSTALLER TIP

- Please allow 35mm to all sides of your window when making your opening to allow for insulation collar (IC)

- Increased UW value with insulation collar (IC)

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Window size	5/7	5/9	7/9*	7/11*	7/14*	9/16*	11/11*
Window frame external dimension in cm (Width x Height)	54/78	54/98	74/98	74/118	74/140	94/160	114/118
Light area for roof windows in m²	0,19	0,25	0,41	0,51	0,63	1,01	0,90

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETR8 5 T or PT AL

Roto blueLine Plus (glazing 8): double safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / argon 16 / LSG 6)

ETR8 8 T or P AL

Roto blueTec (glazing 9G): triple safety and thermal insulation glazing with cleaning-aided coating (TSG 4 / argon 10 / TSG 4 / argon 10 / LSG 4)

ETR8 9G T or P AL IC

Roto blueTec Plus (glazing 9P): triple safety and thermal insulation glazing with cleaning-aided coating and sound insulation
(TSG 4 / krypton 10 / TSG 4 / krypton 10 / LSG 4)

ETR8 9P T or P AL IC

Single flashing for ETR8 with insulation collar as standard (WD)

FL 1x1 ZIE AL IC	■
FL 1x1 SNO AL IC	■
FL 1x1 SNH AL IC	■
FL 1x1 SDS AL IC	■
FL 1x1 MUN AL IC	■

T	= Timber	**FL**	= Flashing
PT	= White Painted Timber	**IC**	= Pre-fitted insulation collar

* MOE (Means of escape) as standard

■ Index of flashings: please refer to page 30

![easy-trimroto logo] **easy-trim**roto
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ETR8 Top Pivot Roof Window

 PVC

The benefits at a glance

- Easy and quick to fit: supplied fully assembled

- Panoramic, unobstructed view with maximum headroom. Hinged at the top of the window for a seamless opening to 45 degrees

- More energy savings: vapour barrier and pre-fitted insulation collar as standard for high thermal insulation and better air permeability

- Easy handling: one handle at the bottom of the sash for all functions (opening, ventilation and cleaning)

- Security: four point central locking system and cleaning position locked to secure maintenance

Usage: from 20° to 65°
7/9, 7/11, 7/14, 9/16 are all 'Means of Escape' as standard

Functionalities

 Maximum headroom when window open

 Easy and safe cleaning with self-adjusting cleaning position

INSTALLER TIP

- Please allow 35mm to all sides of your window when making your opening to allow for insulation collar (IC)

- Increased U_W value with insulation collar (IC)

Window size	5/7	5/9	7/9*	7/11 *	7/14*	9/16 *	11/11 *
Window frame external dimension in cm (Width x Height)	54/78	54/98	74/98	74/118	74/140	94/160	114/118
Light area for roof windows in m²	0,19	0,25	0,41	0,51	0,63	1,01	0,90

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETR8 5 T or PT AL IC

Roto blueLine Plus (glazing 8): double safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / argon 16 / LSG 6)

ETR8 8 T or P AL IC

Roto blueTec (glazing 9G): triple safety and thermal insulation glazing with cleaning-aided coating (TSG 4 / argon 10 / TSG 4 / argon 10 / LSG 4)

ETR8 9G T or P AL IC

Roto blueTec Plus (glazing 9P): triple safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / krypton 10 / TSG 4 / krypton 10 / LSG 4)

ETR8 9P T or P AL IC

Single flashing for ETR8 with insulation collar as standard (WD)

FL 1x1 ZIE AL IC	▪
FL 1x1 SNO AL IC	▪
FL 1x1 SNH AL IC	▪
FL 1x1 SDS AL IC	▪
FL 1x1 MUN AL IC	▪

T	= Timber	FL	= Flashing	* MOE (Means of escape) as standard
PT	= White Painted Timber	IC	= Pre-fitted insulation collar	▪ Index of flashings: please refer to page 30
P	= PVC	AL	= Aluminium anthracite-metallic (R703)	

ETRi8 intelligent motion top pivot with insulation collar

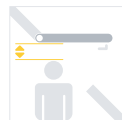## PVC

The benefits at a glance

- Usage: All room environments

- Thermal transmission value UW:

  Triple glazing 9P: 5 / 8: UW 0,80 W/m²K

  Double glazing 5 / 8: UW 1,2 W/m²K

- Thermal insulation value Ug:

  Triple glazing 9P: Ug 0,5 W/m²K

  Double glazing 5 / 8: Ug 1,0 W/m²K

- Weighted sound reduction index Rw:

  Triple glazing 9P: 37 (-2; +5) dB

  Double glazing 5: 34 (-2; -5) dB

  Double glazing 8: 38 (-2; -5) dB

Usage: from 20° to 65°

NOTE: ETi8 is available with 9G and 9P glazing. For sizes 14/18, 13/16 a minimum roof pitch of 40° is required

Functionalities
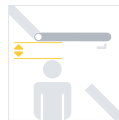
Maximum headroom when window open

Easy and safe cleaning with self-adjusting cleaning position

Window size	7/14	7/16	7/18	9/14	9/16	9/18	11/14	11/16	11/18	13/14	13/16
Window frame external dimension in cm (Width x Height)	74/140	74/160	94/180	94/140	94/160	114/180	114/140	114/160	114/180	134/140	134/160
Light area for roof windows in m²	0,63	0,73	0,84	0,86	1,01	1,60	1,10	1,29	1,47	1,34	1,57

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETRi8 5 T or PT AL IC

Roto blueLine Plus (glazing 8): double safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / argon 16 / LSG 6)

ETRi8 8 T or P AL IC

Roto blueTec (glazing 9G): triple safety and thermal insulation glazing with cleaning-aided coating (TSG 4 / argon 10 / TSG 4 / argon 10 / LSG 4)

ETRi8 9G T or P AL IC

Roto blueTec Plus (glazing 9P): triple safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / krypton 10 / TSG 4 / krypton 10 / LSG 4)

ETRi8 9P T or P AL IC

Single flashing for ETR8 with insulation collar as standard (WD)

FL 1x1 ZIE AL IC	■
FL 1x1 SNO AL IC	■
FL 1x1 SNH AL IC	■
FL 1x1 SDS AL IC	■
FL 1x1 MUN AL IC	■

T	= Timber	**FL**	= Flashing	*	MOE (Means of escape) as standard
PT	= White Painted Timber	**IC**	= Pre-fitted insulation collar	■	Index of flashings: please refer to page 30
P	= PVC	**AL**	= Aluminium anthracite-metallic (R703)		

easy-trimroto
THE ASPIRATIONAL ROOF WINDOW

ETRi8 operation

The ETRi8 is a ground-breaking new development that redefines the meaning of comfort and ease of use roof windows. An automatically operated roof window with no visible drive components to spoil the view outside.
The drive technology is concealed within the window and opens significantly more quickly than the systems used in conventional electric roof windows. The best thing is, you have a choice of how to operate it. You can use buttons integrated in the frame, a wall switch, remote control or even your smartphone or tablet. It's a level of comfort and convenience not available until now.

Two switches integrated into the frame allow you to comfortably open and close the window, and set the window to semi-automatic cleaning position. Additional accessories for easy operation of the ETRi8:

By wall switch

Switch control 230 V
ZEL STG S

By remote control device

Remote control unit 5 channels
ZEL STG HS 5 ll

Remote control unit 10 channels
ZEL STG HS 10 ll

Remote control unit with time switch
ZEL STG ZSU HS 10 ll

Via smartphone / tablet
(available separately)

Via wireless/Wi-Fi box from Becker, the ETRi8 and ETRi4 can be operated with any Wi-Fi-compatible end device
CC 31, CC 51

WLAN

BECKER

Whether its windows, roller shutters, garage doors or other household appliances such as heating control and lighting ... You can program and control all of this centrally via Becker CentralControl - even while on the move.

This is made possible by the B-Tronic, our bidirectional automation system in which all smart home devices report their status immediately. With this simple home control, you can see at a glance whether everything is as it should be and can access your home automation system when needed - even whilst on the go.

CentralControl by Becker is based entirely on you and your individual needs. At home, convenient access is provided via the touch screen of the control panel, the notebook or the TV screen. When away from home you can access your CentralControl flexibly with your smartphone or tablet, and is easily connected with other home devices such as music systems, TV and web devices.

Central home control - The future for your home

Set up a morning wake up programme, lights, blinds, music, even set the coffee maker going.
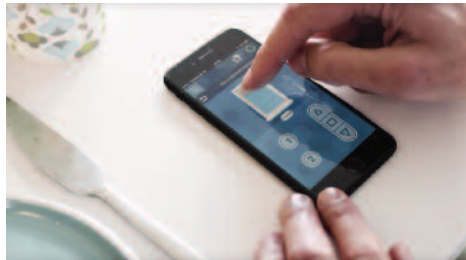
Open windows and blinds along with all other automated devices in your home direct from your phone or tablet.

Access and control audio and visual content anywhere in your home with the Becker system that can easily network devices from other manufacturers.
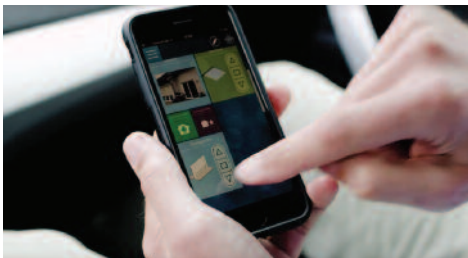
Forgot to shut the garage door?
Close it on the move direct from your phone.
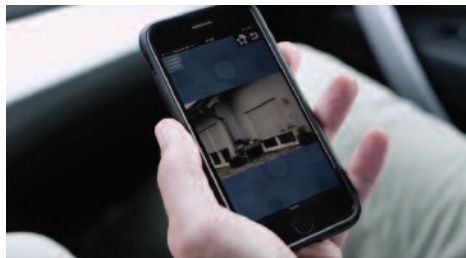
See a live video of blinds and doors shutting with your command on the go for total peace of mind.

Set up energy saving modes to reduce heating and electricity costs when you're out or during the night.

amazon alexa

"Alexa, CentralControl is now ready for you…"

Becker-Antriebe's central home automation system easily controlled by voice

Compatible, clever, comfortable

The advantage of Becker's innovation is obvious: it adds even more flexibility and makes controlling your own smart home devices easier than ever. In doing so, Becker remains true to its philosophy of creating compatible interface solutions. Because that's where the pioneers see the future of intelligent home automation.

The CentralControl system can be easily programmed for alexa phrases for example "TV, cosy".
When activated, the blinds in the living room close a little and the lights go out, and the tv is switched on.
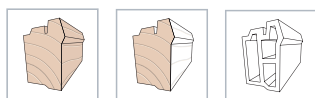
"Alexa, open all windows

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THE ASPIRATIONAL ROOF WINDOW

ETR4 centre pivot roof window

Timber, White Painted Timber & PVC

The benefits at a glance

- Thanks to the pioneering push-fit system and audible 'click feedback' element we have reduced the likelihood of mistakes, meaning less stress and quicker, safer installation.

- Uw-Value glazing 5/8: 1,5

  Ug-Value glazing 5/8: 1,1

  Sound reduction glazing 5: 29 (0;-3)

  Sound reduction glazing 8: 31 (-1;-2)

Can be used on low pitch from 15° to 65°

FSC
www.fsc.org
FSC® C047294
The mark of responsible forestry

Window size	5/7	5/9	6/11	7/9	7/11	7/14	11/11	13/9
Window frame external dimension in cm (Width x Height)	54/78	54/98	65/118	74/98	74/118	74/140	114/118	134/98
Light area for roof windows in m²	0,24	0,31	0,50	0,50	0,57	0,66	1,00	0,96

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETR4 5 T AL
ETR4 5 PT AL
ETR4 5 P AL

Single flashing for ETR4

FL 1x1 ZIE AL	■
FL 1x1 SNO AL	■
FL 1x1 SNH AL	■
FL 1x1 SDS AL	■
FL 1x1 MUN AL	■

T	= Timber	**FL**	= Flashing
PT	= White Painted Timber	**IC**	= Pre-fitted insulation collar
P	= PVC	**AL**	= Aluminium anthracite-metallic (R703)

■ Index of flashings: please refer to page 30

ETRi4 Intelligent motion centre pivot roof window
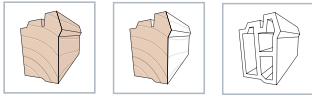
Timber, White Painted Timber & PVC

The benefits at a glance

■ Thanks to the pioneering push-fit system and audible 'click feedback' element we have reduced the likelihood of mistakes, meaning less stress and quicker, safer installation.

■ Drive and control technology as standard: Convenient control in non-reachable areas

■ Uw-Value glazing 5/8: 1,5

Ug-Value glazing 5/8: 1,1

Sound reduction glazing 5: 29 (0;-3)

Sound reduction glazing 8: 31 (-1;-2)

Can be used on low pitch from 15° to 65°

FSC
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FSC® C047294
The mark of responsible forestry

Window size	5/7	5/9	6/11	7/9	7/11	7/14	11/11	13/9
Window frame external dimension in cm (Width x Height)	54/78	54/98	65/118	74/98	74/118	74/140	114/118	134/98
Light area for roof windows in m²	0,24	0,31	0,50	0,50	0,57	0,66	1,00	0,96

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETRi4 5 T AL
ETRi4 5 PT AL
ETRi4 5 P AL

Roto blueLine Plus (glazing 8): double safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / argon 16 / LSG 6)

ETRi4 8 T AL
ETRi4 8 PT AL
ETRi4 8 P AL

Single flashing for ETRi4

FL 1x1 ZIE AL	■
FL 1x1 SNO AL	■
FL 1x1 SNH AL	■
FL 1x1 SDS AL	■
FL 1x1 MUN AL	■

T	= Timber	**FL**	= Flashing	
PT	= White Painted Timber	**IC**	= Pre-fitted insulation collar	■ Index of flashings: please refer to page 30
P	= PVC	**AL**	= Aluminium anthracite-metallic (R703)	

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THE ASPIRATIONAL ROOF WINDOW

ETR6 centre pivot roof window with ETR8 profile

Timber, White Painted Timber & PVC

The benefits at a glance

- Thanks to the pioneering push-fit system and audible 'click feedback' element we have reduced the likelihood of mistakes, meaning less stress and quicker, safer installation.

- Drive and control technology as standard: Convenient control in non-reachable areas

- Double airtightness seal

- 2 point locking system with 2 ventilation positions

Can be used on low pitch from 15° to 65°

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Window size	5/7	5/9	6/11	7/9	7/11	7/14	11/11	13/9
Window frame external dimension in cm (Width x Height)	54/78	54/98	65/118	74/98	74/118	74/140	114/118	134/98
Light area for roof windows in m²	0,24	0,31	0,50	0,50	0,57	0,66	1,00	0,96

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETR6 5 T AL
ETR6 5 PT AL
ETR6 5 P AL

Roto blueLine Plus (glazing 8): double safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / argon 16 / LSG 6)
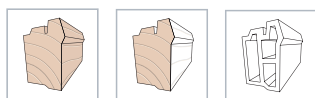
ETR6 8 T AL
ETR6 8 PT AL
ETR6 8 P AL

Single flashing for ETR6

FL 1x1 ZIE AL	■
FL 1x1 SNO AL	■
FL 1x1 SNH AL	■
FL 1x1 SDS AL	■
FL 1x1 MUN AL	■

T	= Timber	**FL**	= Flashing	
PT	= White Painted Timber	**IC**	= Pre-fitted insulation collar	■ Index of flashings: please refer to page 30
P	= PVC	**AL**	= Aluminium anthracite-metallic (R703)	

ETRi6 Intelligent motion
centre pivot roof window with ETR8 profile
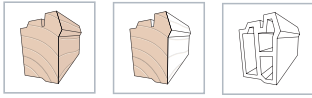
Timber, White Painted Timber & PVC

The benefits at a glance

■ Thanks to the pioneering push-fit system and audible 'click feedback' element we have reduced the likelihood of mistakes, meaning less stress and quicker, safer installation.

■ Drive and control technology as standard: Convenient control in non-reachable areas

■ Double airtightness seal

Can be used on low pitch from 15° to 65°

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Window size	5/7	5/9	6/11	7/9	7/11	7/14	11/11	13/9
Window frame external dimension in cm (Width x Height)	54/78	54/98	65/118	74/98	74/118	74/140	114/118	134/98
Light area for roof windows in m²	0,24	0,31	0,50	0,50	0,57	0,66	1,00	0,96

Roto blueLine (glazing 5): double safety and thermal insulation glazing (TSG 4 / argon 16 / float 4)

ETRi6 5 T AL	
ETRi6 5 PT AL	
ETRi6 5 P AL	

Roto blueLine Plus (glazing 8): double safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / argon 16 / LSG 6)

ETRi6 8 T AL	
ETRi6 8 PT AL	
ETRi6 8 P AL	

Single flashing for ETR6

FL 1x1 ZIE AL	■
FL 1x1 SNO AL	■
FL 1x1 SNH AL	■
FL 1x1 SDS AL	■
FL 1x1 MUN AL	■

T	= Timber	**FL**	= Flashing		
PT	= White Painted Timber	**IC**	= Pre-fitted insulation collar	■	Index of flashings: please refer to page 30
P	= PVC	**AL**	= Aluminium anthracite-metallic (R703)		
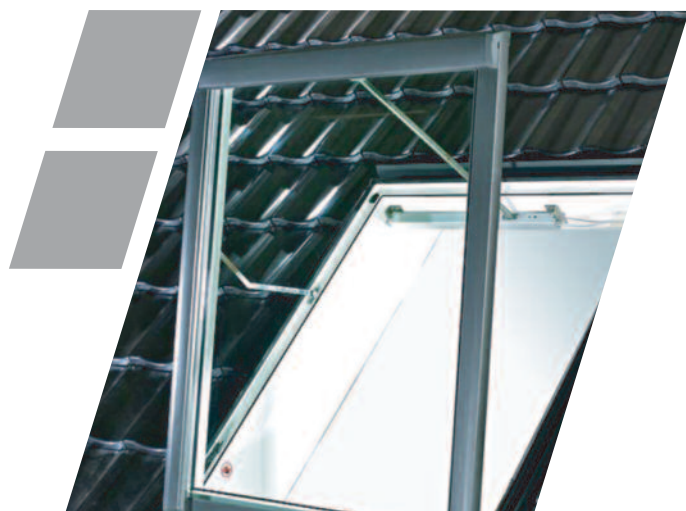
ETRi5 smoke extraction roof window
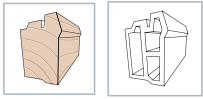
Timber & PVC

The benefits at a glance

- No handle
- Top opening
- Anti-slam protection
- Pre-fitted insulation collar as standard
- Includes wind deflector as standard
- Thermal transmission value UW:
  – Timber with IC: UW 1,3 W/m²K
  – PVC with IC: UW 1,3 W/m²K

Usage: from 20° to 45° according to aerodynamic opening area
from 20° to 65° according to geometric opening area

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FSC® C047294

The mark of
responsible forestry

Window size	11/11	11/14
Window frame external dimension in cm (Width x Height)	114/118	114/140
Light area for roof windows in m²	1,00	1,22

Roto blueLine Plus (glazing 8): double safety and thermal insulation glazing with cleaning-aided coating and sound insulation (TSG 4 / argon 16 / LSG 6)

ETR5 **8** T AL IC
ETR5 **8** P AL IC

Single flashing for ETR5

FL 1x1 ZIE AL IC
FL 1x1 SNO AL IC

RWA control package

ZEL RWA SPA OR with RWA button ORANGE

RWA	= Control package
T	= Timber
P	= PVC
IC	= Pre-fitted insulation collar

RWA control package in connection with ETR5 smoke extraction roof window

- Electronic control device (RWA control centre 4503-T incl. box) included emergency power supply and ventilation operations
- Electric surface mounted manual mechanism (RWA button)
- 1 optical fire detector
- 1 flush-mounted ventilation button
- Output current: 3A (1 x WRA 11/... can be connected)

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Flashings
Standard and modular flashing

System and precision
Our large choice of roof connections is the result of a system that is both sophisticated and flexible.

There are connections for individual windows, for combinations of several roof windows, for recessed windows, for flat roof installation frames or combining roof windows.

We attach the greatest importance to the thermal insulation and waterproofing of our systems, and we also offer a connection kit to the roof boarding screen.

Modular connections
All configurations are possible with Easy-Trim Roto modular connection systems. Do not hesitate to call us to assist with the design of your project.

The benefits at a glance
■ Adaptable to a multitude of roof types
■ Wide choice of standard or optional exterior finishes
■ Connection components allowing a multitude of combinations
■ Long-term protection against climatic conditions

Flashing Guide

51mm

	ZIE Up to 45mm high	MUN 45-90mm high	SDS Interlocking resin slate	SNO Natural slate & tile fibre cement	SNH Clay & concrete plain tiles Min pitch 35 degrees
REDLAND	Renown 49 Richmond Saxon LM/Slate Mini Swd	Regent Double Roman Grovebury Doublepan Catherdral OH	Duo Plain Cambrian (22.5mm min pitch) Stonewold II	Del Carmen Riverstone	Rosemary Classic Craftsman Concrete
MARLEY	Modern/Duo Ludlow Major Domino Edgemere/ Duo Ludlow Plus	Anglia Plus Double Roman Mendip Wessex Sandringham	Ashmore Melbourn (22.5mm min pitch)	Thrutone Garsdale Birkdale Rivendale	Acme Hawkins Ashdown Plain
SANDTOFT	Standard Lindum Calderdale/Dual Rivius	Greenwood Old English Arcadia Neo Pantile County Shire Double Pantile Double Roman Bold Roll	Britlock (22.5mm min pitch) 20/20 Cassius	Brit Slate	Plain Humber Goxhill Village
KORAMIC	Actua	Old Hollow Flemish 401	Modula Tempest 44		
FORTICRETE	Centurion Mini Slate V2	Senetor	Gemini	Hardrow	Plain
RUSSELL (CEMEX)	Cheviot Argyll Galloway Lothian Moray Highland	Derwent Pennine Double Roman Bradstone - natural slate	Decra		Plain

Please seek manufacturer's advice for tiling and slating into the side of the roof windows and check minimum pitch of tile/slate being used
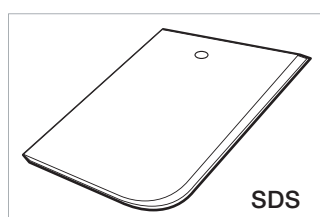
easy-trimroto

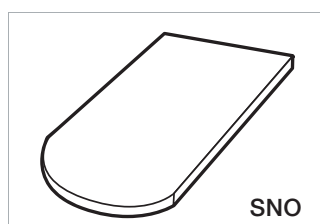**T H E** ASPIRATIONAL ROOF WINDOW

Flashings

Roof covering

ZIE
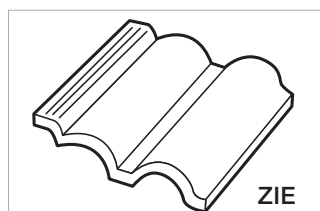
ZIE Pantiles or profiled tiles
- Aimed for roof pitches from 15° to 90°
- Flashing for installing one roof window in flat or profiled roofing materials
- Not for interlocking slate
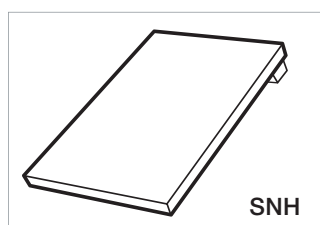- For tile materials from 15 to 45 mm height

SDS

SDS Interlocking slate
- Aimed at roof pitches from 22.5° to 90°
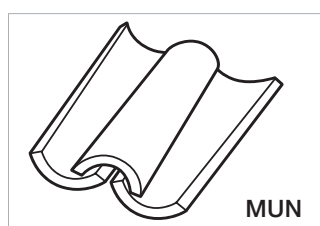- Flashing for installing one roof window into interlocking slate

SNO

SNO Slate
- Aimed for roof pitches from 15° to 90°
- Flashing for installing one roof window into slate up to 15 mm thickness
- Not for interlocking slate
- Coupled version also available

SNH

SNH Plain tiles
- Aimed for roof pitches from 15° to 90°
- Flashing for installing one roof window in plain tiles (max. length 270 mm)
- Maximum thickness of 15 mm

MUN

MUN Pantiles or hi-profiled tiles
- Aimed for roof pitches from 15° to 90°
- Flashing for installing one roof window in flat or profiled roofing material up to 120 mm in profile
- For tile materials above 45 mm height

Please refer to the tile manufacturer's fixing specification for full installation details

Flashings

EDR: Standard flashing
- Minimum roof pitch 15°

ETL: Recessed flashing
- Minimum roof pitch 35° without IC (ETR4/ETR7)
- Minimum roof pitch 35° with IC (ETR4/ETR7/ETR8)

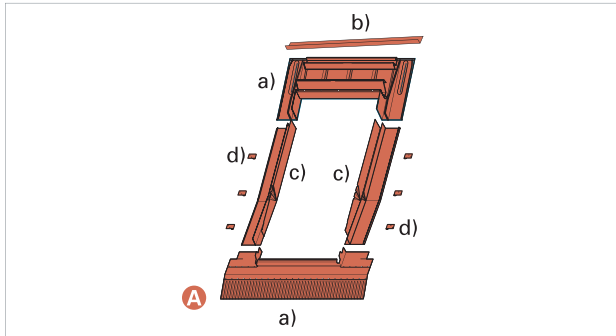### EFA: Flashing for combining roof window
- Minimum roof pitch 15°

Installer's tip

To ensure air permeability all flashings have to be installed under the double EDPM rubber seal
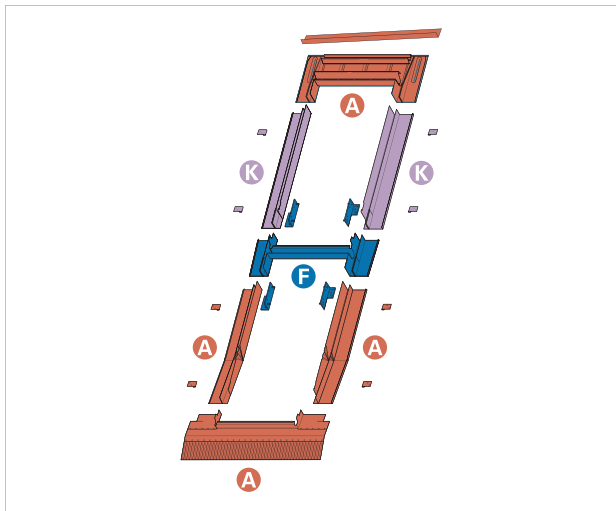
Modular flashings

Single flashing (1x1)

(A) **EDR Rx 1x1 single flashing, consisting of:**

a) EDR Rx O + U Top & bottom single flashing
b) Water drain channel (except for metal roofing)
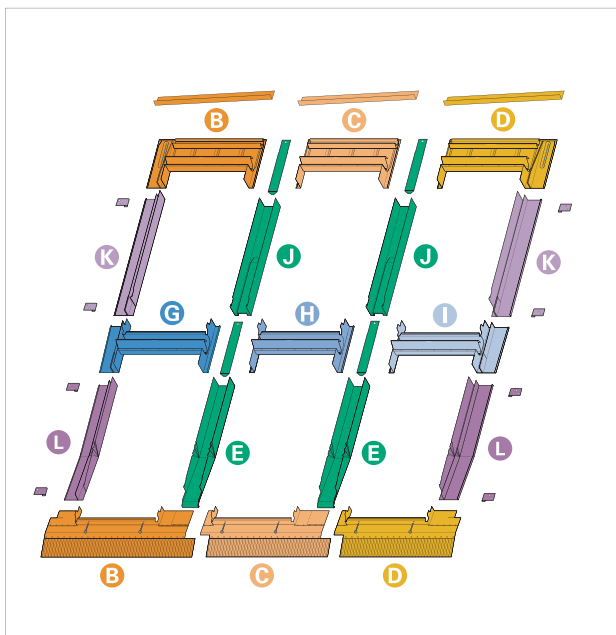c) EDR Rx SEB UBottom flashing side-parts
d) Mounting clips

Multiple 'stacked' flashings (1x2)

EDR Rx 1x2 single flashing, consisting of:

(A)	EDR Rx 1x1	Single flashing (incl. water drain channel, except for metal roofing)
(F)	EDR Rx MEB	Flashing central part
(K)	EDR Rx SEB O	Top flashing side-parts

Multiple flashings (3x2)

EDR Rx 3x2 Multiple flashing, consisting of:

(B)	EDR Rx O + U L	Left-hand top & bottom flashing (incl. water drain channel, except for metal roofing)
(C)	EDR Rx O + U M	Centre top & bottom flashing (incl. water drain channel, except for metal roofing)
(D)	EDR Rx O + U R	Right-hand top & bottom flashing (incl. water drain channel, except for metal roofing)
(E)	EDR Rx UBL U	Bottom U-gutter flashing incl. flashing shrouds
(G)	EDR Rx MEB L	Left centre-part flashing
(H)	EDR Rx MEB M	Centre centre-part flashing
(I)	EDR Rx MEB R	Right centre-part flashing
(J)	EDR Rx UBL O	Top U-gutter flashing incl. flashing shrouds
(K)	EDR Rx SEB O	Top flashing side-parts
(L)	EDR Rx SEB U	Bottom flashing side-parts

For better identification purposes, the box labels include the corresponding code letters (in circles).

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Side-by-side, stacked or quad flashings

The benefits at a glance

- Multiple window combinations enable customers to select any desired width, with window heights of up to 1.80m
- Easy reach handle positioned at the bottom of the frame.
- Optimal space utilisation and light yield
- Perfect interior appearance
- Combination installations provide more light creating the impression of a continuous glazed area.

Window size	5/7	5/9	5/11	6/11	7/9	7/11	7/14	7/16	9/14	11/9	11/11	13/9	13/14
Window frame external dimension in cm (Width x Height)	54/78	54/98	54/118	65/118	74/98	74/118	74/140	74/160	94/140	114/98	114/118	134/98	134/140
Light area for roof windows in m²	0,24	0,31	0,39	0,50	0,50	0,57	0,66	0,84	0,97	0,81	1,00	0,96	1,46

Side-by-side
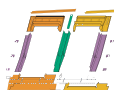
FL 2x1 ZIE AL
FL 2x1 SNO AL
FL 2x1 SNH AL
FL 2x1 SDS AL
FL 2x1 MUN AL

Stacked
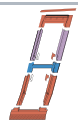
FL 1x2 ZIE AL
FL 1x2 SNO AL
FL 1x2 SNH AL
FL 1x2 SDS AL
FL 1x2 MUN AL

Quad

FL 2x2 ZIE AL
FL 2x2 SNO AL
FL 2x2 SNH AL
FL 2x2 SDS AL
FL 2x2 MUN AL

Prices for further combinations on application.

Please ask the Easy-Trim Roto technician about the achievable gaps between the windows

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THE ASPIRATIONAL ROOF WINDOW

Accessories
The Easy-Trim Roto modular system

Choose the right accessory to enhance your space

When you choose a roof window, you think of the practical aspects first – generous and bright spaces, functionality and technical specifications. However, of all the windows and door frames of a house, it is the roof window that is the most exposed to all types of attack (heat, rain, ice, forced entry). Paradoxically, it is the least protected. This is why only a good choice of exterior and interior accessories will give you the window that is most suitable for the needs of the end user.

Brightness and comfort guaranteed in all your rooms

Controlled light, regulation of the ambient temperature, optimum perspective… Easy-Trim Roto exterior sun protection or interior decoration equipment allow you to give meticulous care to your living space. With Easy-Trim Roto you can choose from a multitude of options: roller shutters, exterior sun blinds, interior PVC finish, interior blinds, black-out blinds, venetian or pleated blinds, manually or electrically controlled.

Accessories to bring comfort or to give convenience

Installed at the same time as the roof window, or added later depending on the needs of the user, Easy-Trim Roto exterior and interior accessories are both flexible and multipurpose.

The benefits at a glance

- Wide range of accessories
- Stylish yet functional accessories to suit all projects
- Efficient protection against heat, cold and burglary
- Wide selection of patterns and colours available

- Adds value to converted roof spaces
- Extends solar protection provided through the control of natural light and temperature rise
- Wide palette of patterns and colours available to suit you
- Efficient protection against heat, cold and burglary (roller shutter)
- Simple and fast fitting from the interior positions (open, ventilation and cleaning)

Exterior sun screening
External blinds and roller shutter

Exterior roller shutter	**External awning**	**'Screen' exterior blind**

Protects from heat, protects from cold

Effective heat protection is achieved, when the heat radiation is reflected, before it reaches the window pane. Accessories positioned on the roof window's exterior are for this reason the first choice. The Easy-Trim Roto electrical exterior roller shutter fulfils particularly high requirements. It doesn't just control brightness and darkness. It also creates a comfortable living atmosphere by supporting and increasing the effects of the Easy-Trim Roto safety insulating glazing – an ideal supplement to Easy-Trim Roto roof windows.

Heat protection without darkening

If heat rather than light needs to be deflected use the Easy-Trim Roto electrical external awning. Approximately 95% of the heat radiation can be deflected this way, before it reaches the window pane. A high level of efficiency and air circulation between the textile and the window pane provide for a pleasant room climate – ideal for example when working in an attic office. The ventilation is no problem: The external awning works in every sash position without any restrictions.

Sun screening

Effective thermal insulation contributes considerably to living comfort during the summer months. The Easy-Trim Roto 'Screen' exterior blind with its plastic-coated glass fibre fabric, ensures that approximately 70% of the heat radiation doesn't reach the window pane in the first place. Even if the blind has been pulled down, the roof window remains fully functional without any restrictions. Combining exterior blinds with interior accessories is recommended.

Benefits at a glance

Exterior roller shutter

■ Fully operational when the window is open

■ Optimal sun and heat protection

■ Electrical drive unit as standard

■ Fast and uncomplicated installation from the inside

External awning

■ Perfect heat protection, optimally matched to the roof windows

■ Fast and uncomplicated installation from the inside

■ Fully functional when the window is open

Blackout roller blinds
ZRV

The benefits at a glance

- Blackout without lateral light transmittance*
- Pull bar seamlessly guided in lateral tracks
- The close fitting design limits the air exchange between roller blind fabric and the glass pane
- Limits temperature increase when combined with 'Screen' exterior blind
- Profiles available in white or anodised aluminium
- Easy installation due to the preassembled casing

* Not absolute darkness in the physical sense.
In summer not sufficient as solar protection,
recommended in conjunction with an exterior blind.

Window size	5/7	5/9	5/11	6/11	7/9	7/11	7/14	7/16	9/14	11/9	11/11	13/9	13/14
Window frame external dimension in cm (Width x Height)	54/78	54/98	54/118	65/118	74/98	74/118	74/140	74/160	94/140	114/98	114/118	134/98	134/140

Blackout Roller Blind Manual

ZRV M ETR4/ETR7 W/AL

ZRV M ETR6/ETR8 W/AL

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THE ASPIRATIONAL ROOF WINDOW

Colours available

Standard **uni**

1-V01 white	1-V02 light beige	1-V03 beige	1-V04 brown beige	1-V05 light grey	1-V06 dark grey

Trend **uni**

2-V26 yellow	2-V27 orange	2-V21 red	2-V28 rose	2-V29 pink	2-V30 lilac	2-V25 apple green

2-V23 turquoise   2-V24 petrol   2-V22 midnight blue   2-V31 brown   2-V32 black

Trend **patterns**

2-V58 white matrix   3-V54 white bars   3-V52 beige lines   3-V53 beige flowers   2-V59 orange matrix   3-V60 lilac matrix   3-V61 turquoise matrix

3-V62 navy blue stars   3-V57 brown circles   3-V56 grey circles   3-V53 black lines   3-V55 black bars

Note: Blackout roller blind available with white side rails (W)
for PVC roof windows or anodised aluminium (AL)
for timber roof windows ; please specify when ordering
your chosen blind: e.g. ZRV E ETR4 W 1-V.. ou ZRV M ETR7 AL 3-V..

Note: pattern illustrations are not true to scale.
Slight colour variations can occur

Pleated blinds
ZFA

The benefits at a glance

■ Pleasant living ambience during the daytime

■ Manual pull-bar seamlessly guided in lateral tracks

Light, decorative design and atmosphere

Window size	5/7	5/9	5/11	6/11	7/9	7/11	7/14	7/16	9/14	11/9	11/11	13/9	13/14
Window frame external dimension in cm (Width x Height)	54/78	54/98	54/118	65/118	74/98	74/118	74/140	74/160	94/140	114/98	114/118	134/98	134/140

Single flashing for ETR7
Standard uni (1-V..)

ZFA M ETR7 W/AL	
ZFA M ETR8 W/AL	
ZFA M ETR4 W/AL	
ZFA M ETR6 W/AL	

Colours available

Standard **uni**

1-F01 white | 1-F02 light beige | 1-F03 beige | 1-F04 light brown | 1-F05 light grey | 1-F06 dark grey

Trend **uni**

2-F26 yellow | 2-F27 light orange | 2-F28 orange | 2-F21 red | 2-F30 rose | 2-F29 lilac | 2-F25 apple green

2-F24 jade | 2-F23 turquoise | 2-F22 midnight blue | 2-F31 brown | 2-F32 black

Trend **patterns**

3-F59 white butterflies | 3-F54 white tendrils | 3-F51 white stripes | 3-F60 beige butterflies | 3-F62 beige stripes | 3-F53 blue stripes | 3-F61 light green butterflies

3-F58 red rings | 3-F62 rose butterflies | 3-F55 plum tendrils | 3-F57 lilac rings | 3-F56 brown tendrils

Darkening* **uni**

4-F71 white | 4-F72 beige | 4-F73 grey | 4-F74 blue

Darkening* **patterns**

5-F82 white dots | 5-F81 dark blue dots

Note: pleated blind available with white side rails (W)
for PVC roof windows or anodised aluminium (AL)
for timber roof windows ; please specify when ordering
your chosen blind: e.g. ZFA M ETR8 W 1-F.. or ZFA M ETR4 AL 3-F..

Note: pattern illustrations are not true to scale.
Slight colour variations can occur

* These blinds do not have blackout properties.

Other accessories

Remote control unit

ZEL STG HS 5:
5 channels

ZEL STG HS 10:
10 channels

Product description

- The highest level of convenience is provided by the electric radio-controlled version
- The radio receiver for this is already integrated in the control system
- The remote control operation is carried out via the five or ten channel remote control which has to be ordered separately

Switch control

ZEL STG S

Product description

- In order to meet the multiple customer requirements for standard electrical switch operation, we also provide the conventional, wirebound electric version
- A commercially available switch or a switch from Roto is needed; this however must be ordered separately
- A commissioning set is enclosed

Wireless switch control

ZEL STG WS 1

Product description

- Radio frequency interference-insensitive
- Long range
- Separate buttons for up / stop / down command
- Simple installation
- Between programmable position
- Individual, group and central control

Lockable handle Designo R8

ZUB GRF ASB
ETR8 White

ZUB GRF ASB
ETR8 Metallic

Product description

- Lockable handle available for ETR8 in timber and PVC (please indicate the roof window's name plate when ordering)

Lockable handle ETR4/ETR7 and WDA

ZUB GRF ASB ETR7/ETR4
White (PVC)
ZUB GRF ASB ETR7/ETR4
White aluminium
(Timber)

Product description

- Lockable handle available for ETR4 and ETR7
  in timber and PVC (please indicate
  the roof window's name plate when ordering)

Vertical glazing bar

Rx 1100 KPL FR
(window width 5, 7 and 9)

Rx 1530 KPL FR
(window width 11 and 13)

Only for ETR4 and ETR7

Product description
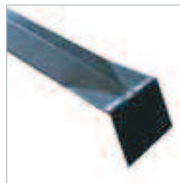
- Vertical bar to fix to the ETR4 and ETR7
  roof window to combine our current know-how
  in terms of thermal insulation and convenience
  with a traditional appearance

Opening pole

ZUB TFB L 1170 – 1920
Length: 1170 – 1900 mm

Opening pole

ZUB TFB L 1700 – 3000
Length: 1700 – 2940 mm

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THE ASPIRATIONAL ROOF WINDOW

Easy-TrimRoto ETR7
Single installation into a tiled roof

Installation recommendations

Scale 1:5

Please note: this drawing is intended as a recommended as an example and must be adapted as appropriate to suit local conditions. Roofing felt a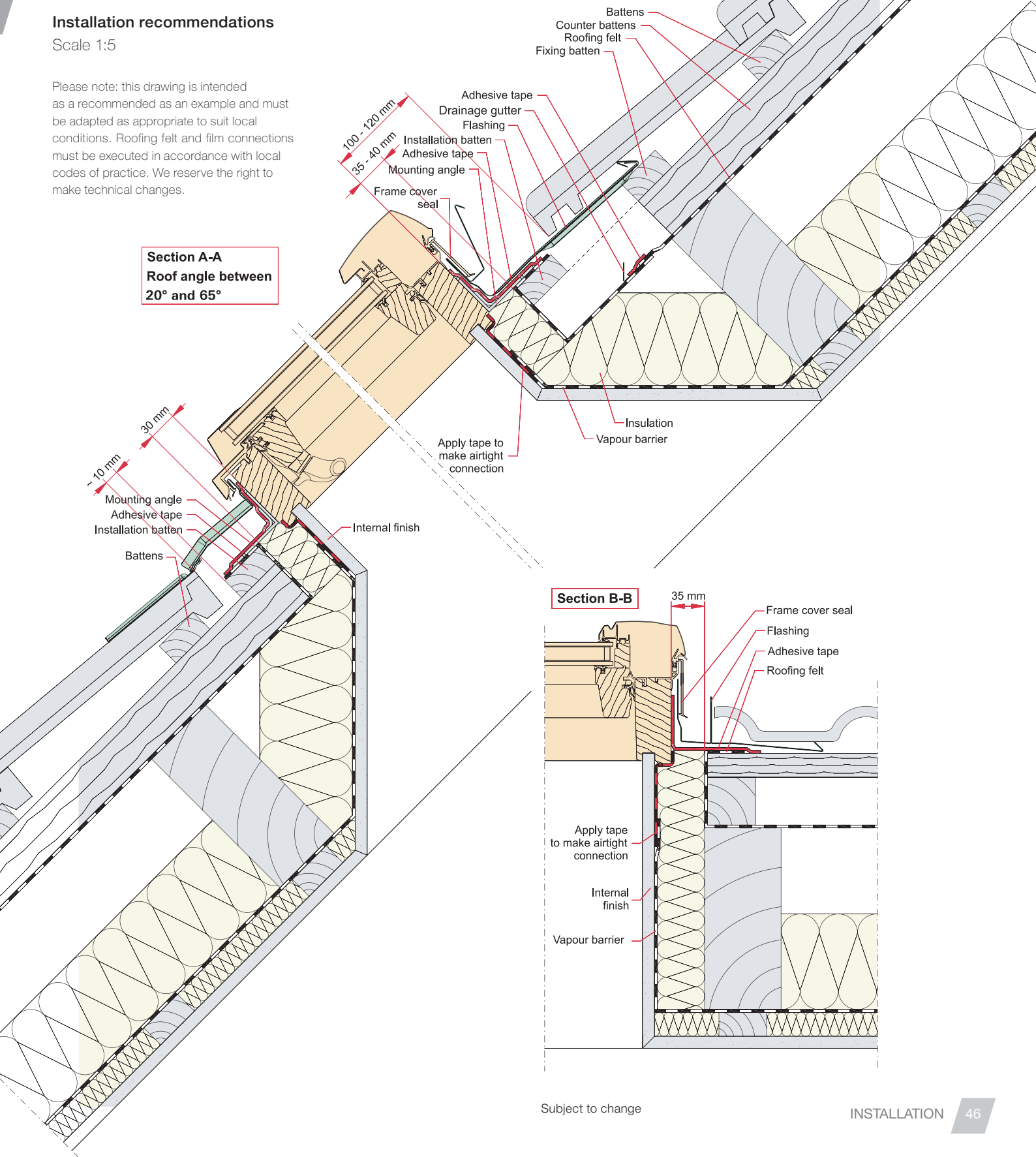nd film connections must be executed in accordance with local codes of practice. We reserve the right to make technical changes.

Section A-A
Roof angle between 20° and 65°

Battens
Counter battens
Roofing felt
Fixing batten

Adhesive tape
Drainage gutter
Flashing
Installation batten
Adhesive tape
Mounting angle
Frame cover seal

100 - 120 mm
35 - 40 mm

Insulation
Vapour barrier

Apply tape to make airtight connection

30 mm
~ 10 mm

Mounting angle
Adhesive tape
Installation batten

Battens

Internal finish

Section B-B

35 mm

Frame cover seal
Flashing
Adhesive tape
Roofing felt

Apply tape to make airtight connection

Internal finish

Vapour barrier

Warranty
Quality prevails

Any Easy-Trim Roto product purchased in the UK after 1st Aug 2007 is guaranteed subject to the following warranties:

15 year warranty

A 15-year materials warranty
on Easy-Trim Roto roof windows against the following types of breakage:

- for windows with toughened outer safety glass panes, glass breakage caused by hail

- breakage of the fittings
  (excluding any accessories or any part of the Easy-Trim Roto solar system)

- breakage of plastic frames in circumstances where the frames have not withstood the level of stress necessary to comply with the RAL quality mark 716/1

5 year warranty

A 5-year warranty
on the following types of defects due to material, construction and/or production faults:

- defects in Easy-Trim Roto roof windows including frames, other than defects falling under the item above

- fogginess in between the panes defects in Easy-Trim Roto solar systems, with the exception of all electrical and moving parts

2 year warranty

A 2-year warranty
on defects due to material, construction and/or production faults in:

- Easy-Trim Roto accessories for roof windows (interior roller blinds, outside roller shutters, remote controls, etc.)

- electrical and moving parts of the Easy-Trim Roto solar system

- replacement parts which are supplied in the event of a guarantee claim in exchange for defective Easy-Trim Roto roof window parts, unless the remaining period of the original warranty is longer than 2 years, in which case the warranty on the replacement parts shall be for the remaining period of the original warranty

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T H E A S P I R A T I O N A L   R O O F   W I N D O W

Easy-Trim Roto Roof Windows

12B Metcalf Drive, Altham Industrial Estate, Altham, Lancashire, BB5 5TU

Tel: 01788 558 600 Email: sales@easy-trimroto.co.uk

www.easy-trimroto.co.uk