

EXTERNAL MATERIAL SCHEDULE

WALLS – FORTERRA HEATHER BRICK --AS PER SPECIFICATIONS ON PAGES 2,3 AND 4.

ROOFING –REDLAND PLAIN CONCRETE TILE COLOUR - BROWN GRANULAR (PAGES 5 AND 6).

REHAU PVC-U EXTERNAL CASEMENT WINDOWS

REHAU PVC-U FRENCH DOORS

REHAU PVC-U FRONT DOORS

REHAU PVC-U - BIFOLD DOORS

GUTTERING AND DOWNPIPES –WHITE PVC-U (FLOPLAST)

EX
FA



Heather

Heather



Manufactured to BS EN 771-1

Brick type

Category II, U, Clay Masonry Unit

Standard work size

215 x 102.5 x 65mm

Dimensional tolerances

Tolerance category: T2

Range category: R1

Compressive strength

≥ 25N/mm²

Water absorption

≤ 23%

Durability

F1

Active soluble salts content

S2

Configuration

Frogged 15-20% Voids

Dry weight per brick

1.95kg

Pack Size

390

Factory

Whittlesey



Disclaimer: The reproduction of colours and textures is only as accurate as the printing process will allow. Photographic samples should be used when shortlisting products but we advise that an actual sample should be seen before ordering.



222 Peterborough Road
Whittlesey
Cambridgeshire
PE7 1PD

Sales 0330 1231017
Technical 0330 123 1018

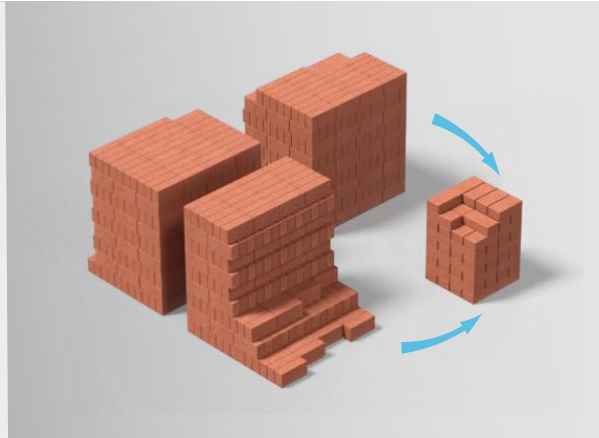
Fax 01733206040
forterra.co.uk

Best practice brick handling

Make life easier with these simple tips which can save you time and money on your build.

Blending bricks

Bricks should be loaded-out from a minimum of 3 packs and it is advisable to draw from the packs in vertical rather than horizontal slices. Doing this helps avoid colour patchiness or banding in the brickwork.



Brick storage

Bricks should be stored on a level, free-draining surface that is protected from the elements. Polythene wrapping provides protection from the weather; if this is removed for inspection it needs to be replaced or alternative protection needs to be provided.



Protection of newly built brickwork

When work stops or is interrupted by inclement weather conditions, brickwork should be protected immediately with polythene sheeting that is held in place with a suitable fixing. If new brickwork is not protected, lime stains, efflorescence and patchy mortar colour can occur. It should also be noted that the laying of brickwork should be discontinued when the temperature falls below 3°C or when frost is imminent.



Mortar and bricklaying

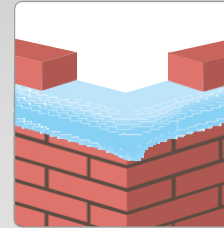
Do not build at or near freezing conditions.

Lay London bricks frog upwards for maximum strength and density, and also for maximum rain penetration protection; when neither is required, as in most low-rise dwellings, bricks may be laid frog down.

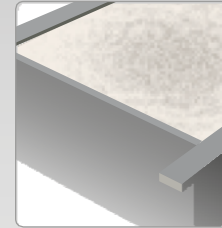
General brickwork from DPC level to eaves level of domestic construction.

Internal and external from DPC to eaves: (Class M4 Designation iii) 1 : 6 Portland Cement : sand + plasticiser or 1 : 1 : 6 Portland Cement : lime : sand + plasticiser.

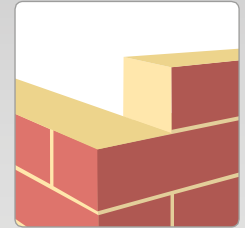
Note: For rendered brickwork use sulphate-resisting cement.



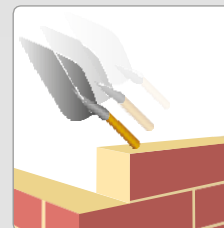
Protect recently constructed brickwork from inclement weather.



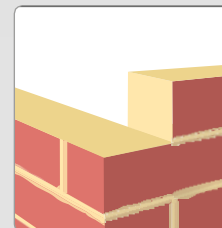
Batch materials in measured volumes.



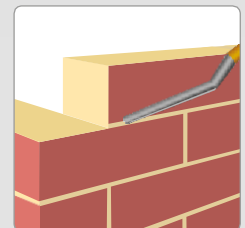
Fill all joints.



Avoid over tapping newly laid bricks.



Avoid mortar stains.



Finish mortar joints with an appropriate tool.

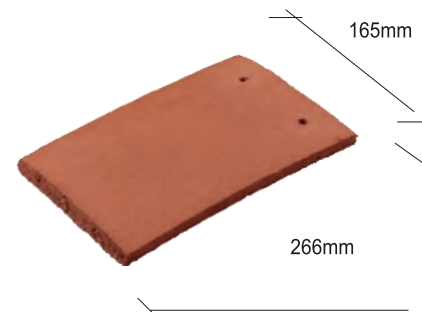
PlainTile

Redland

Available in a range of thirteen natural shades, granular, through-coloured and acrylic coated, to match any roofing environment.

KEY ADVANTAGES

- Versatile concrete tile with wide scope for a variety of roofing effects
- Quick and easy to lay
- Smooth, coated and sanded finishes to blend with every regional roofing style



PRODUCT DATA

Size (overall)	268 x 165mm
Minimum Pitch	35°
Maximum Pitch (subject to fixing specification)	90°
Minimum Headlap	Below 90° 65mm / at 90° 35mm
Maximum Headlap	88mm
Minimum Gauge/Batten Spacing	88mm
Maximum Gauge/Batten Spacing	below 90° 100mm / at 90° 115mm
Hanging Length (approx.)	248mm
Cover (all figures are net and do not allow for wastage)	
Linear cover of 1 tile	165mm
Covering capacity	below 90° 60 tiles/m ² / at 90° 52 tiles/m ²
Weight per pallet, including pallet (approx.)	below 90° 75kg/m ² / at 90° 65kg/m ²
per 1000	1.01 tonnes 1.25 tonnes
Battens Required (at max. gauge)	below 90° 10.0m/m ²
Batten Size	
Rafter centres up to 600mm	38 x 25mm
Fixing Clips	Top Tile Clips
Nail Size for Tiles**	40 x 2.65mm (A/A)
Pallet Quantities	Tiles per pallet 768 / Tiles per pack 16 / Packs per pallet 48

*All weights nominal ** (A/A) Aluminium Alloy

FITTINGS & ACCESSORIES

ORNAMENTAL TILE

Club Tiles

HIP PRODUCTS

Universal Bonnet Hip
Third Round Hip
Baby Ridge
Rapid Hip

VALLEY PRODUCTS

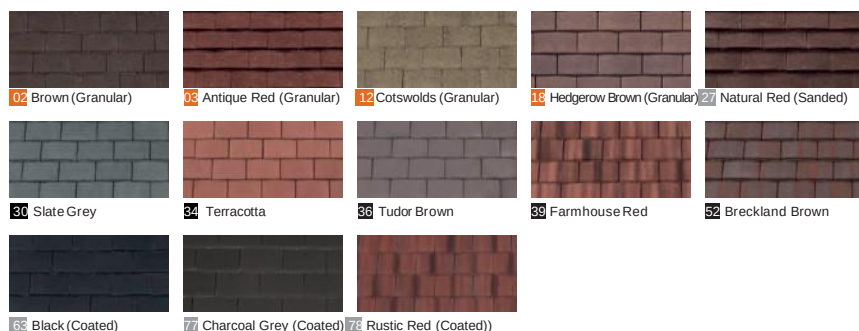
Universal Valley Tile
125 GRP Valley
Dry Valley

RIDGE PRODUCTS

Half Round Ridge
Half Round Monoridge

VENTILATION SYSTEMS

RedVent EavesVent
RedVent 25 Over-Fascia Vent
Top Edge Abutment Ventilation
DryVent Ridge
Rapid Vented Ridge
Uni-Vent Rapid Ridge/Hip
DryVent Monoridge
RedLine Ventilation Tile
Rapid Roof Vent
8.8k ThruVent T



Plain Tile Product Codes

TILES

Standard Tile	6151
Eaves/Top Tile	6154
Tile-and-a-half	6159

UNDERLAYS

Spirtech 400 2S underlay	9202
Divoroll Elite 25	9157
Divoroll Universal 25	9156

EAVES PRODUCTS

RedVent EavesVent 350-450mm (6m)	9189
RedVent EavesVent 450-600mm (6m)	9190
Extension Trays 350-450mm (6m)	9498
Extension Trays 450-600mm (6m)	9499
Rapid EavesVent 2-in-1 Tray	9988
Rapid EavesVent Rafter Roll (6m)	9984
RedVent 25 Over-Fascia Vent (6m)	9593
Underlay Support Tray (1.5m)	9076

HIP PRODUCTS

Continuous Hip (5m)	9502
Third Round Hip/Ridge Junction	9521
Uni-Vent Rapid Ridge/Hip (10m)	9313
Uni-Vent Rapid Hip Support Tray (1.2m)	9069
Third Round Hip (without nail holes)	8122
Third Round Hip (with nail holes)	7411
Hip Iron	9258
Third Round Block-End Hip	7784
Mortar Bedded Fixing Kit	9314
Mortar Bedded Fixing Kit	9314

VALLEY PRODUCTS

125 GRP Valley (3m)	9595
ry Valley m ow Profile	9575
Universal Valley Trough Tile	7175

ABUTMENT PRODUCTS

Waka-fe Rapid Flashing	
Top Edge Abutment Ventilation Pack(3m)	9548
Bonding G tter igh Profile m	9578

RIDGE PRODUCTS

DryVent Ridge (1.8m)	9058
Uni-Vent Rapid Ridge/Hip (10m)	9313
Continuous Ridge (5m)	9302
Ridge Vent Terminal	7253
Ridge Vent Terminal Adaptor	9175
Flexible Pipe (100 to 100mm)	9172
Gas Flue Ridge Terminal	7241
Gas Flue Ridge Terminals Extension Adaptor	9143
Gas Flue Blanking Plates	9099
Half Round Ridge	8101
DryVent Monoridge (2.7m)	9084
Half Round Monoridge	7203
Mortar Bedded Fixing Kit	9314

VENTILATION TILES

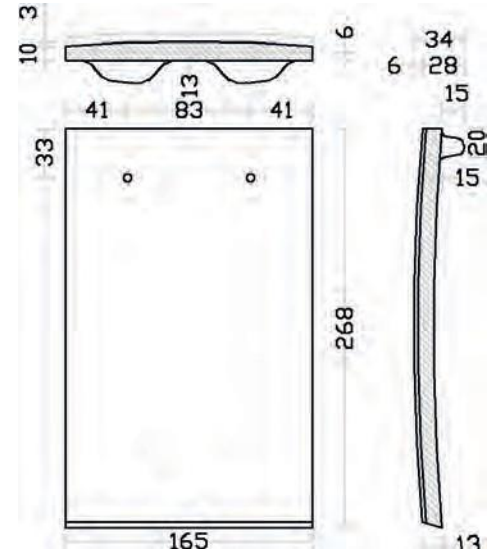
RedLine Plain Tile Vent	9119
RedLine Vent Adaptor	9175
4.5k ThruVent Tile	7347
ThruVent Flexible Pipe (75 to 100mm)	9188
Rapid Roof Vent	9128
Rapid Roof Vent Adaptor	9175
Flexible Pipe (100 to 100mm)	9172

EXTERNAL VERTICAL ANGLES

ternal ngle	8134
ternal ngle R	8135
ternal ngle	7142
ternal ngle R	7143
Eaves Clip Nail (812)	9338

FIXING

Tile Nail (1596)	9331
Top Tile Clip	9282
Kro-Clip (50)	9142



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PVC-U WINDOW SYSTEMS

CASEMENT WINDOWS – REHAU S706 70MM



Key Characteristics

- Ideal replacement for British timber casement windows due to 70mm depth
- Choice of chamfered profiles using REHAU S706 or fully sculptured using the REHAU Edge system
- Optional aesthetic features include run through sash horns, arched head inserts, clip-on georgian bars and low level glazing beads and gasket
- Available with or without integral gaskets
- French window style available
- Compatible with fully reversible, entrance doors, in-line tilt/slide patio and Multi-Fold doors
- Can be incorporated into conservatory designs
- Full range of supplementary profiles available to suit all installation requirements
- Able to achieve a BFRC 'A' Rating with standard and full reinforcement.

Appearance

- Available in White, Mahogany, Rosewood and Golden Oak on White, Mahogany, Rosewood and Golden Oak both sides as standard
- For other non-standard laminate options and the range of RAL colours available using our Acryl II colour system please refer to page 46.

Reinforcement

- Totally separate reinforcement chambers in profiles enables galvanised steels to be inserted for additional strength when required
- For more information please consult our Reinforcement Guidelines ref. 700.620E. and 706.695EN.

Insulation

- Complies with the requirements of the Building Regulations covering Conservation of Fuel and Power - Part L (England and Wales) and Part J (Scotland) when glazed using the correct type of sealed unit
- Can achieve an enhanced thermal performance through using the REHAU patented thermal sleeve*
- Sound insulation is dependent on glazing specification. For more information please consult one of our Commercial Sales Managers.



1 Patented Thermal Sleeve.

REHAU S706 Approvals

- BS EN 12608 (BS 7412) KM 13358
- BS 7950 KM 76189
- PAS 23/24 KM 66461
- BBA Report No's 1108 and 1309

Fittings and Hardware

The REHAU S706 and REHAU Edge systems can accommodate:

- A wide range of friction stays including egress hinges
- Both espagnolette and shootbolt locking mechanisms
- Manufacturers recommendations on maintenance should be followed.

Glazing

- 4mm to 42mm double glazing
- Internal or external glazing
- Dry glazing with glazing bead and gasket or a co-extruded glazing bead
- Low level glazing option available
- A security glazing gasket can be used for extra security.

		Outward opening side hung			Outward opening top hung		
Maximum Sash Sizes		Maximum			Maximum		
Sash	Finish	WxH cm	m ²	kg	WxH cm	m ²	kg
Sash Z	White	90x150	1.28	40	120x120	1.44	40
Sash T	White	90x150	1.28	40	120x120	1.44	40
Sash Z	Coloured/Foiled	90x150	1.28	40	120x120	1.44	40
Sash T	Coloured/Foiled	90x150	1.28	40	120x120	1.44	40



These sizes are for guidance only and are dependent on fittings and hardware used.
Please consult REHAU for more detailed information.

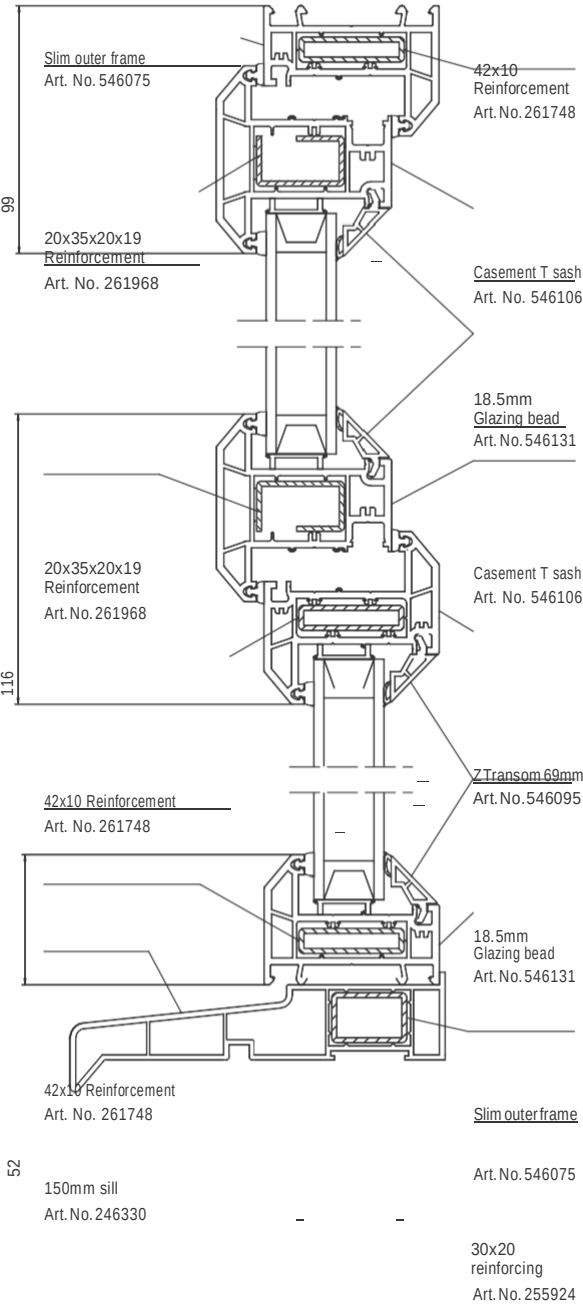
* See BFRG Guide Energy Efficient windows and doors for further information

PVC-U WINDOW SYSTEMS

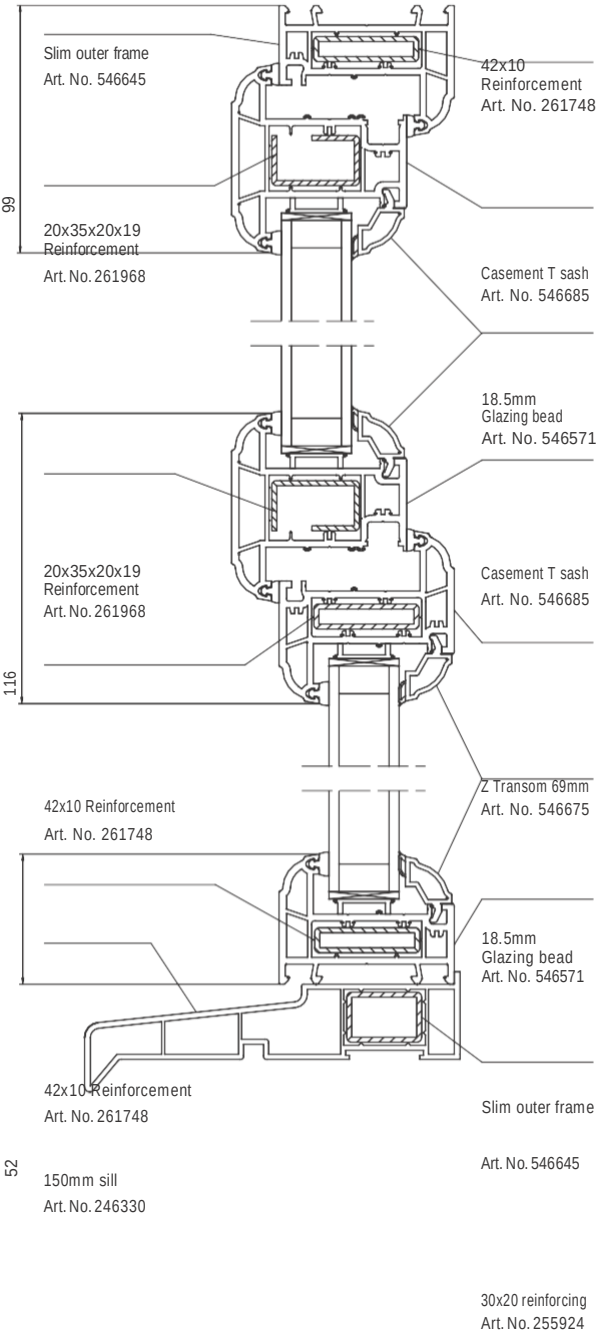
CASEMENT WINDOWS – REHAU S706 70MM

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70mm Casement window - S706
Internally beaded chamfered sash



70mm Casement window - REHAU Edge
Internally beaded sculptured sash



REHAU S706 70MM

CASEMENT WINDOWS



3.

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PVC-U DOOR SYSTEMS

RESIDENTIAL DOORS – REHAU S706 70MM



Key Characteristics

- Choice of chamfered profiles using REHAU S706 or fully sculptured using the REHAU Edge system
- Available in open-in and open-out styles for a variety of installations
- Compatible with casement, fully reversible, pivot and tilt/turn windows and French tilt/slide and Multi-Fold doors
- Can be incorporated into conservatory designs.

Appearance

- Available in White, Mahogany, Rosewood and Golden Oak On White, Mahogany, Rosewood and Golden Oak both sides as standard
- For other non-standard laminate options and the range of RAL colours available using our Acryl II colour system please refer to page 46.

Reinforcement

- Fully reinforced sash using galvanised steel
- Pre-routed on locking side ensures continuous reinforcement
- REHAU's innovative weldable corner joint system can be incorporated to increase rigidity of the door
- For more information please consult our Reinforcement Guidelines ref. 700.620E. and 706.695EN.



1 REHAU S706 70mm Residential Door

2 REHAU Weldable corner joint system

REHAU S706 Approvals
 - BS EN 12608 (BS 7412) KM 13358
 - PAS 23/24 KM 66461

Insulation

- Complies with the requirements of the Building Regulations covering Conservation of Fuel and Power - Part L (England and Wales) and Part J (Scotland) when glazed using the correct type of sealed unit
- Sound insulation is dependent on glazing specification. For more information please consult one of our Commercial Sales Managers.

Fittings and Hardware

- Can accommodate most standard locking mechanism including high security bolt systems
- Flag or butt hinges
- Manufacturers recommendations on maintenance should be followed.

Glazing

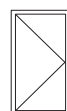
- 4mm to 42mm glazing
- Glazing depth can be extended to 42mm
- Must be fitted with safety glass, which meets BS 6262
- Dry glazing with glazing bead and gasket or a co-extruded glazing bead
- Choice of sloped or sculptured beads
- Low level glazing option available.

Composite Doors

REHAU offers a dedicated Composite Door outerframe profile for the REHAU S706/REHAU Edge 70mm window/door system. The outerframe profile is suitable for use with a standard 44mm door blank, and has an extra wide glazing upstand which gives a 2mm closing seal gap. The profile is designed to take two brushpiles for weather performance.

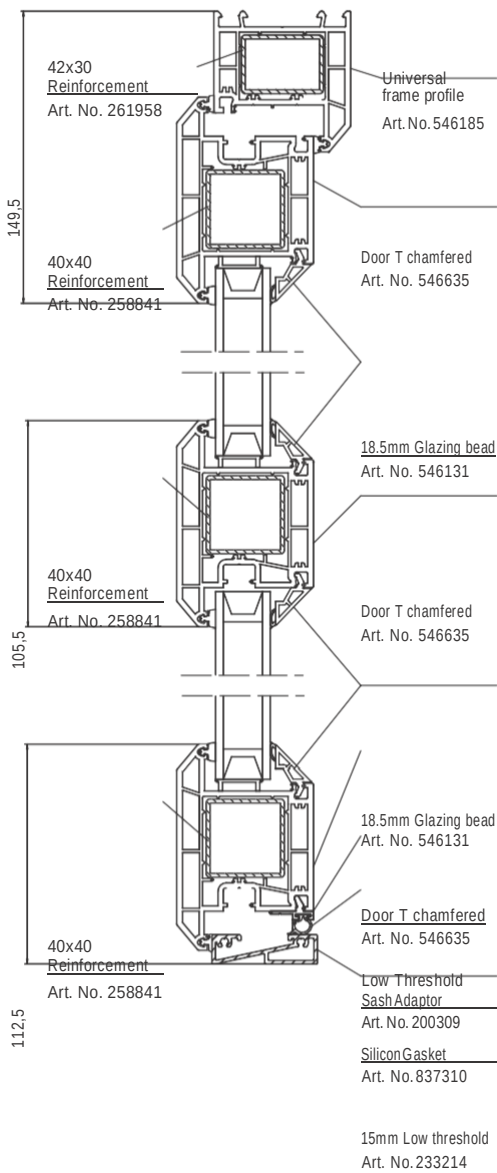
Maximum Sash Sizes		Maximum	
Sash	Finish	WxH cm	kg
Sash Z	White	100x220	100
Sash T	White	100x220	100
Sash Z	Coloured/Foiled	100x210	100
Sash T	Coloured/Foiled	100x210	100

Residential Door

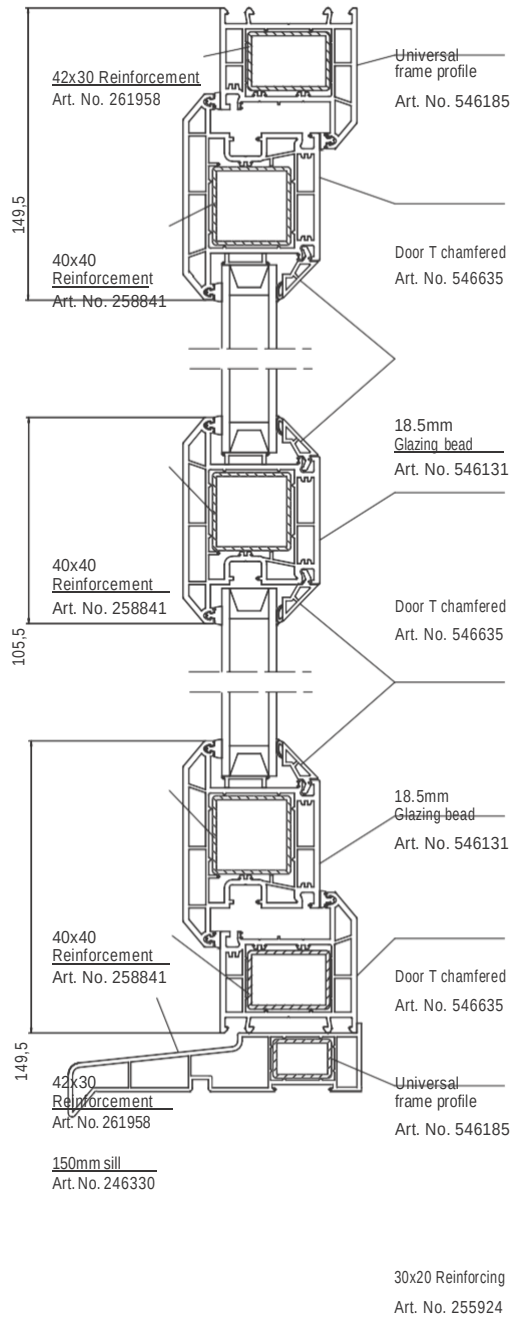


Sash width shown not less than 590mm.
 Butt hinges should be used when producing door sashes under 850mm widths.

70mm Residential door
Low threshold with midrail



70mm Residential door
Outward opening with midrail



3.

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PVC-U DOOR SYSTEMS

FRENCH DOORS – REHAU S706 70MM AND REHAU TRITEC 60MM



Key Characteristics

- Available in 60mm and 70mm options
- Chamfered or fully sculptured profiles available using REHAU Edge
- Open-in or open-out styles offer increased versatility
- Dummy mullion allows full aperture opening
- Can be constructed for equal or non-equal split.

Appearance

- Available in White, Mahogany, Rosewood and Golden Oak on White, Mahogany, Rosewood and Golden Oak both sides as standard
- For other non-standard laminate options and the range of RAL colours available using our Acryl II colour system please refer to page 46.

Reinforcement

- Fully reinforced sash using galvanised steel
- Pre-routed on locking side ensures continuous reinforcement
- REHAU's innovative weldable corner joint system can be incorporated to increase rigidity of the door
- REHAU Tritec 60mm system offers chamfered profiles.
- For more information please consult our Reinforcement Guidelines ref. 700.620E. and 706.695EN. (REHAU S706), 703.695EN. (REHAU Tritec).

Insulation

- Complies with the requirements of the Building Regulations covering Conservation of Fuel and Power
 - Part L (England and Wales) and Part J (Scotland) when glazed using the correct type of sealed unit
- Sound insulation is dependent on glazing specification. For more information please consult one of our Commercial Sales Managers



Fittings and Hardware

- Flag, butt or cranked hinges
- A wide range of locking mechanisms
- Restrictor stays and ventilator positions
- Manufacturers recommendations on maintenance should be followed.

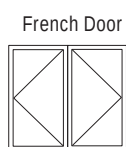
REHAU S706 Approvals

- BS EN 12608 (BS 7412) KM 13358
- PAS 23/24 KM 66461

Glazing

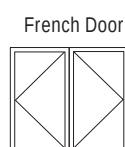
- 4mm to 32mm glazing
- For REHAU S706 and REHAU Edge systems glazing depth can be extended to 42mm by using a special bead
- Must be fitted with safety glass which meets requirements of BS 6262
- Dry glazed with glazing bead with gasket or co-extruded glazing beads in shaped, sloped or sculptured shapes.

70mm System Maximum Sash Sizes		Maximum	
Sash	Finish	WxH cm	kg
Sash Z	White	85x220	100
Sash T	White	85x220	100
Sash Z	Coloured/Foiled	70x210	100
Sash T	Coloured/Foiled	70x210	100



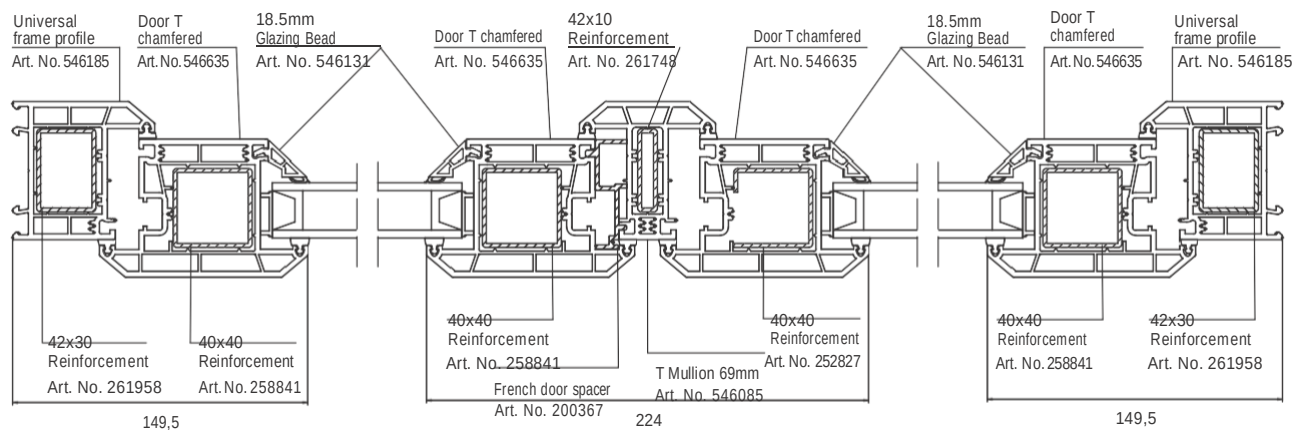
i Sash width shown not less than 590mm.
Butt hinges should be used when producing door sashes under 850mm widths.

60mm System Maximum Sash Sizes		Maximum	
Sash	Finish	WxH cm	kg
Sash Z	White	80x220	100
Sash Z Slimline	White	80x220	60
Sash T	White	80x220	100
Sash Z	Coloured/Foiled	70x210	100
Sash Z Slimline	Coloured/Foiled	70x210	60
Sash T	Coloured/Foiled	70x210	100

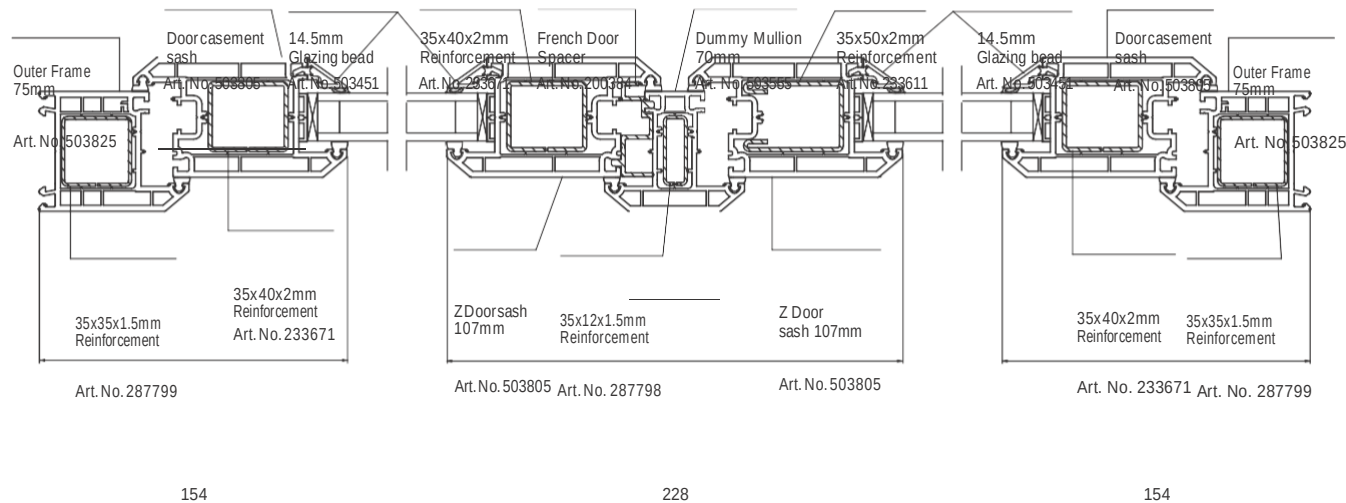


i Sash width shown not less than 590mm.
Butt hinges should be used when producing door sashes under 850mm widths.

70mm French Door Outward Opening



60mm French Door Inward Opening



REHAU S706 70MM & REHAU TRITEC 60MM

FRENCH DOORS



3.

3.6

PVC-U DOOR SYSTEMS

REHAU MULTI-FOLD DOORS–

REHAU S706 70MM AND REHAU TRITEC 60MM



The REHAU Multi-Fold Door is available in both REHAU Tritec 60mm and S706 70mm.

Great appearance and advanced performance mean inevitable demand for a modern and sophisticated door system full of benefits.

The REHAU Multi-Fold Door boasts superior design and engineering to complement outstanding versatility.

- Panels can be connected in a number of configurations so that the doors can be bi-fold or

multi-fold allowing greater flexibility. This is ideal for connecting any rooms in the house or the house to the garden outside, where they provide additional natural light to the room. The door concertinas smoothly and is remarkably easy to open.

- It is vital that the doors are able to endure UK weather conditions therefore REHAU Multi-Fold Doors have been subject to vigorous in-house testing.

- Suitable for both domestic and commercial applications as they create openings and partitions.



- White, Mahogany and Golden Oak finishes are available to meet individual tastes.
- REHAU Multi-Fold Doors can be an alternative to French and Patio Doors but can also be used in conjunction with them to accentuate open plan living.

As with all REHAU products the specification, fabrication and installation are results of quality engineering, placing our products firmly at the forefront of the market.

REHAU systems have superb aesthetics, easy fabrication and excellent performance.

Surface Finish

REHAU is renowned for its quality; it maintains a lasting gloss finish and reduced maintenance.

3 Chamber Profiles

All REHAU 60mm and 70mm profiles have three chambers for improved thermal performance and efficiency.

Easy Glazing

REHAU's proven single leg glazing ensures that on-site glazing is easy and secure when fitted.

Specification

REHAU 60mm and 70mm systems fully adhere to any commercial specification.

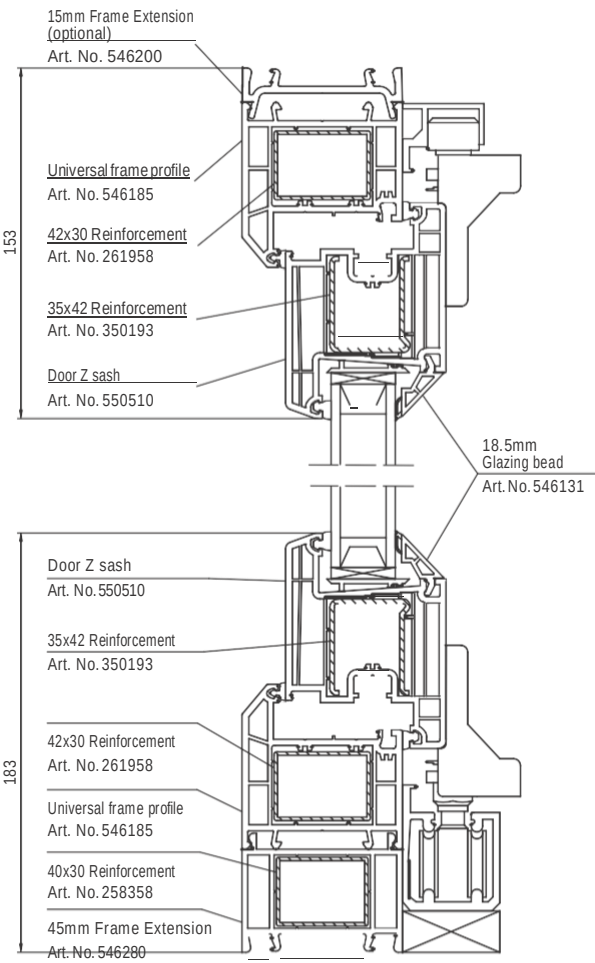
	Maximum overall frame for a White Multi-Fold Door	Maximum overall frame for a coloured or foiled Multi-Fold Door
WIDTH		
Opening to the outside	4m	3m
For an internal door	5m	4m
HEIGHT		
Maximum sash width	2.3m	2.2m
	900mm	900mm

PVC-U DOOR SYSTEMS

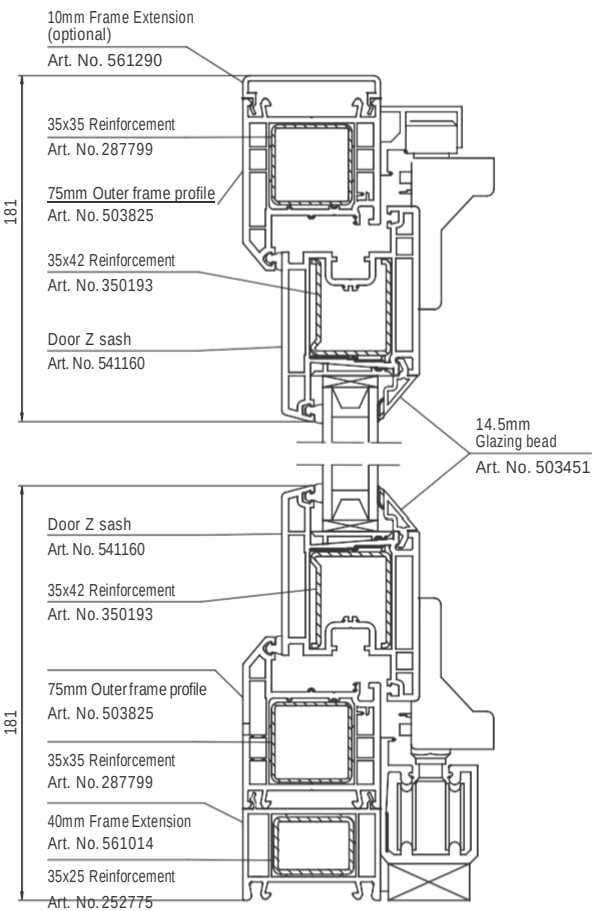
MULTI-FOLD DOORS –

REHAU S706 70MM AND REHAU TRITEC 60MM

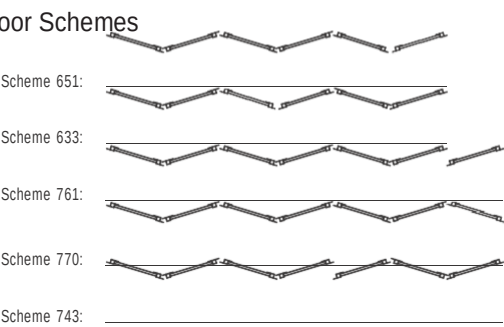
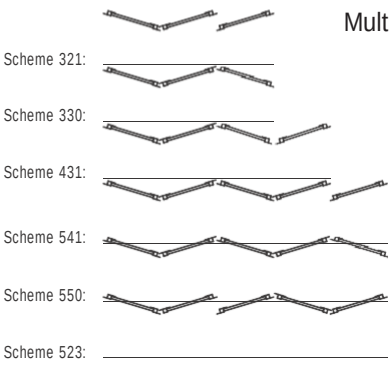
70mm Multi-Fold Door



60mm Multi-Fold Door



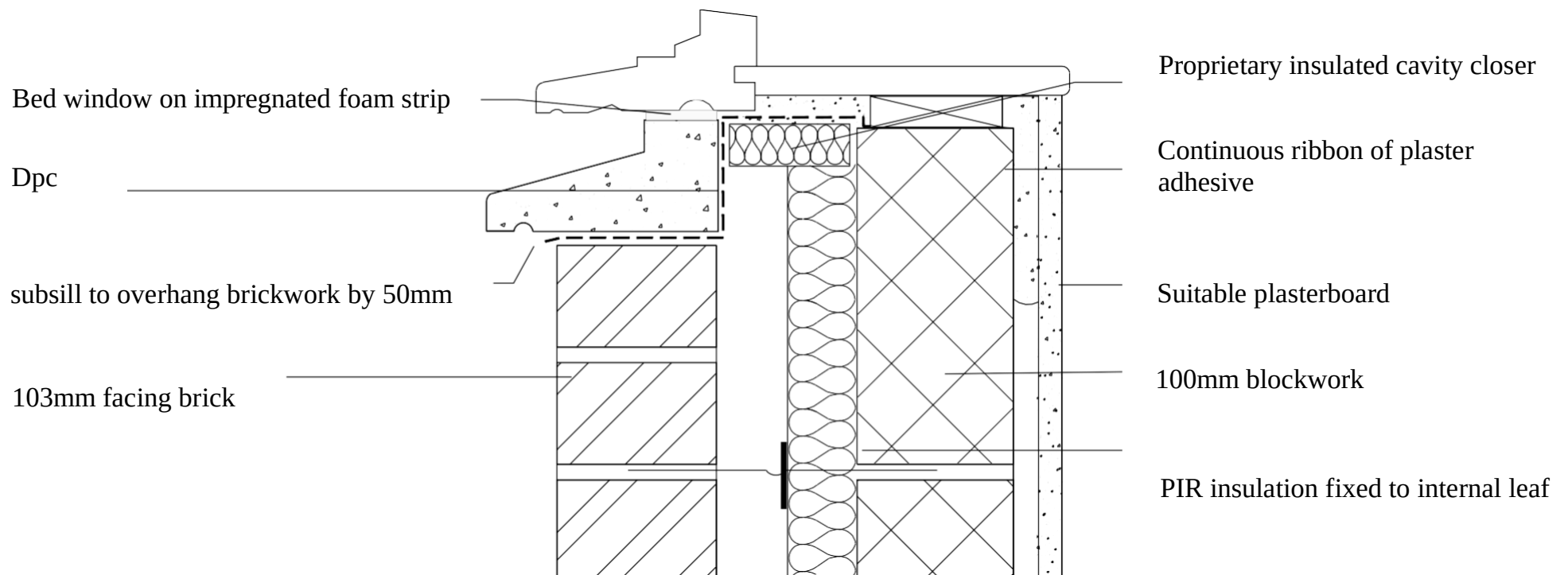
Multi-Fold Door Schemes



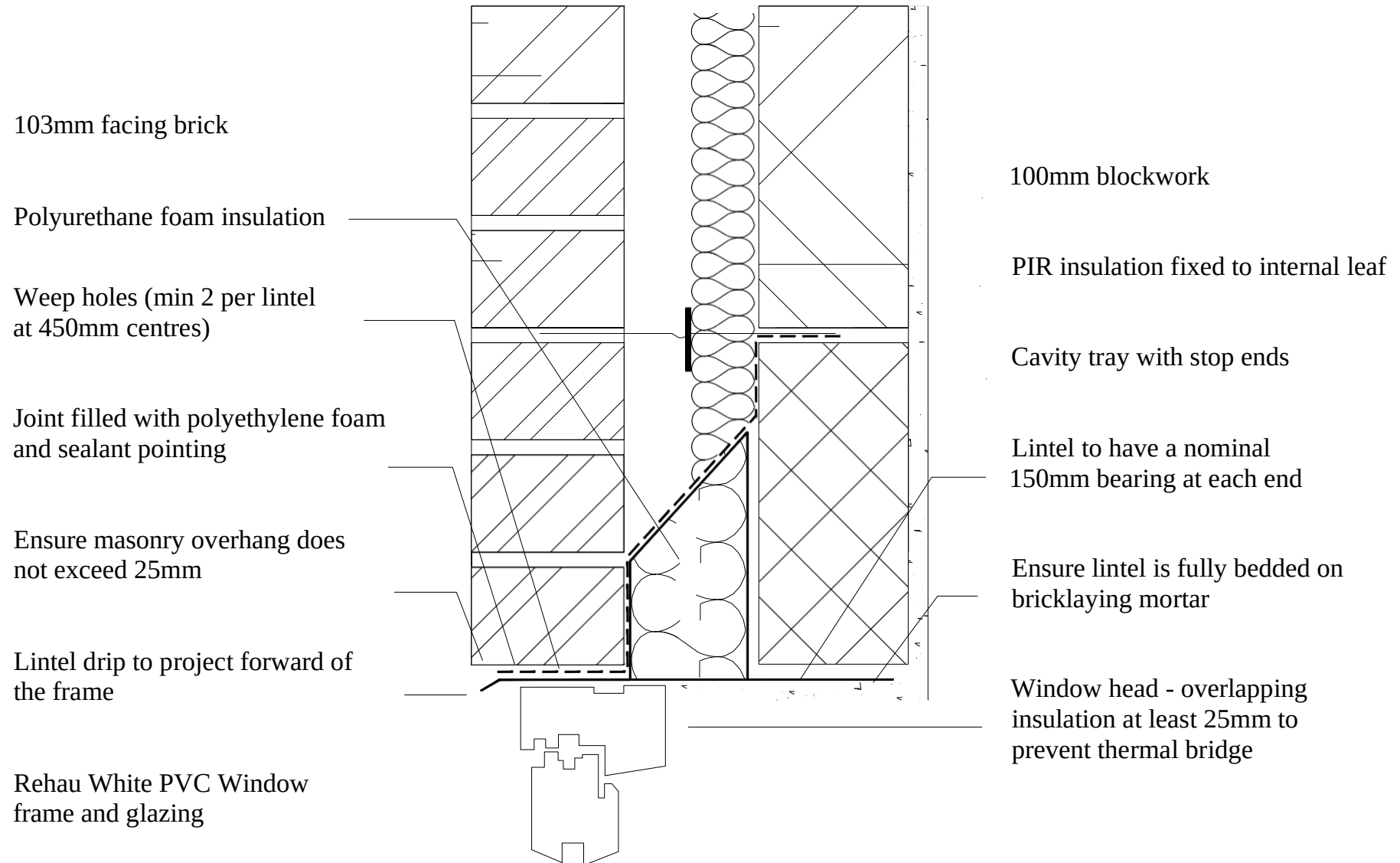
REHAU S706 70MM & REHAU TRITEC 60MM MULTI-FOLD DOOR



WINDOW SILL



WINDOW HEAD AND LINTEL



WINDOW REVEAL

