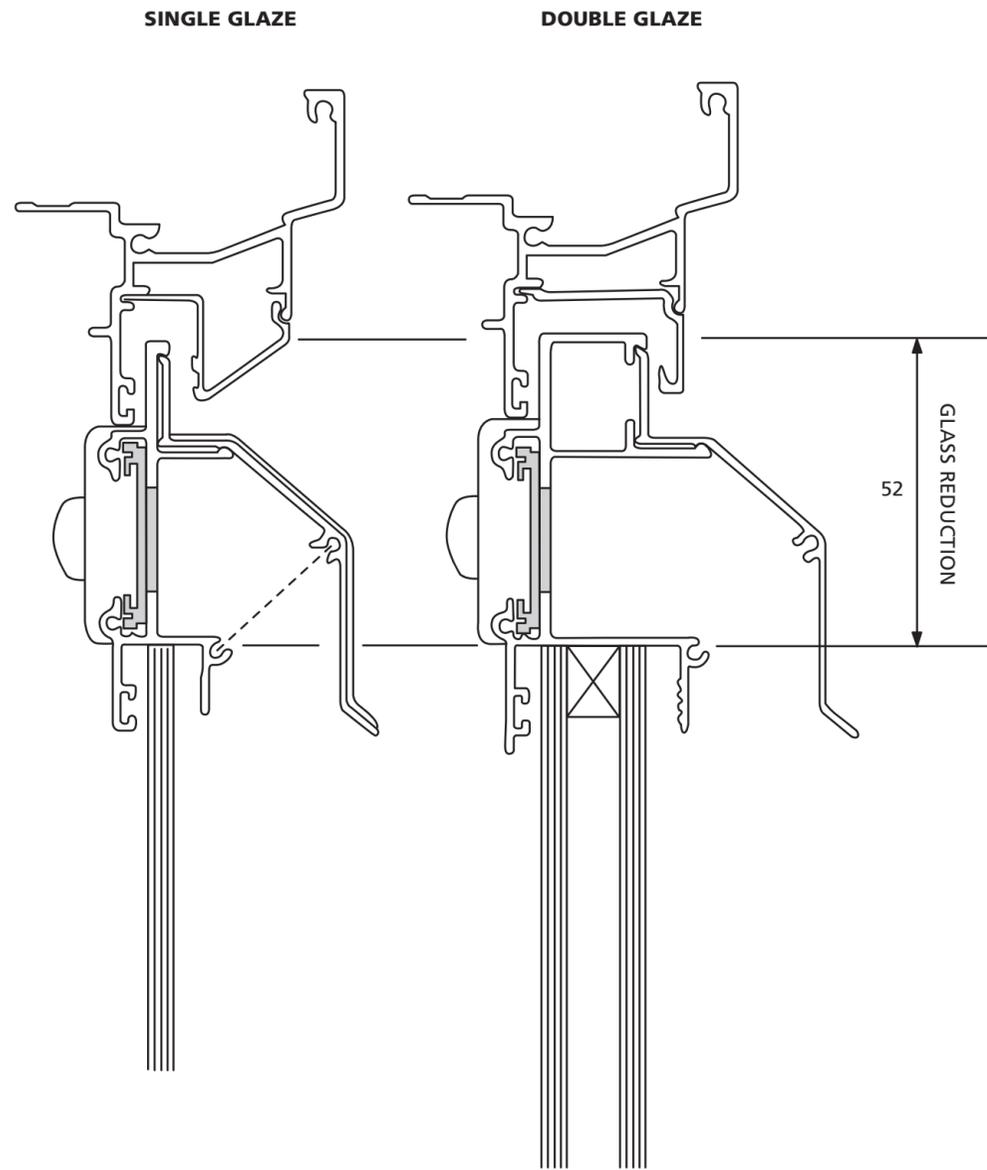


## Calculation of Glass Reduction



### NOTE:

The glass reduction size is a recommendation only. To assist you determine your own requirements the above drawings are full size.

SCALE 1:1

Manufactured and distributed by  
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## Technical Specifications

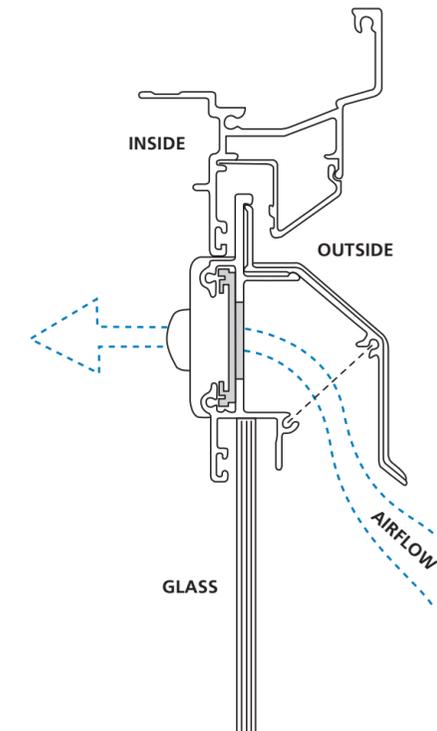
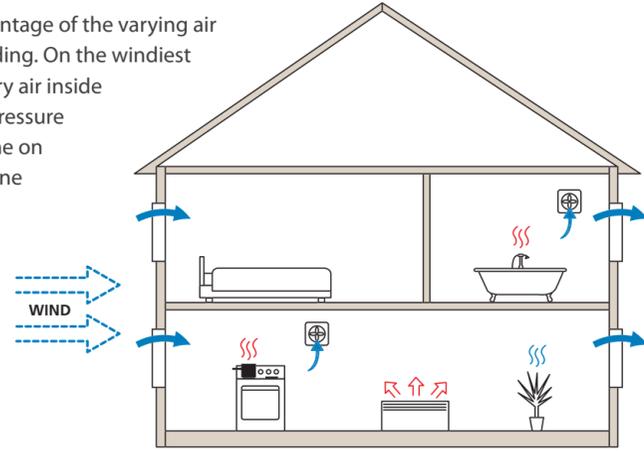


*Ventilating your home naturally.*

## Easy Air window vents provide a cost-effective, controllable, glazed-in ventilation solution with total security. The vents enable passive background ventilation to control condensation, mould and mildew in the home.

Passive background ventilation takes advantage of the varying air pressure that wind creates around a building. On the windiest side, positive air pressure pushes fresh, dry air inside through the *Easy Air* vents. Negative air pressure then draws damp stale air out of the home on the sheltered side. All that is required is one vent in each room.

Studies done overseas and by BRANZ\* in New Zealand have proven the effectiveness of *passive background ventilation*. We strongly recommend you visit our website [www.joinerydev.com](http://www.joinerydev.com), to find out more.



### Technical Specification

The *Easy Air* vent is manufactured from extruded aluminium with PVC slide and exterior grade nylon end caps.

The vents are suitable for use with aluminium, uPVC and timber joinery, and for both single and double glazed applications.

The vents are easy to install, and come complete with insect screen and weather canopy.

Cord controls are available for installation into windows where the airflow control knob would be difficult to reach.

### Recommended Airflow

Following extensive research in the UK, a minimum requirement for *passive background ventilation* (also known as *trickle ventilation*) has been adopted.

This minimum requirement is for 4000mm<sup>2</sup> minimum air opening per average sized room that is used for normal living activities.

This does not include bathrooms, laundries or kitchens. These rooms may require more ventilation if there are no other methods of moisture extraction.

The minimum air opening is proportional to the overall length of the vent x 8000mm<sup>2</sup> per metre, less an allowance of 740mm<sup>2</sup> for end caps.

#### Example:

Vent overall length 600mm = 0.6 x 8000 = 4800 - 740 = 4060mm<sup>2</sup>

\* BRANZ is the Building Research Association of New Zealand. BRANZ Bulletin BU430 – Passive Ventilation.

### Standard Easy Air Vent Sizes

Overall Length	Daylight Opening	Min Air Opening
180	158	700mm <sup>2</sup>
280	258	1500mm <sup>2</sup>
380	358	2300mm <sup>2</sup>
480	458	3100mm <sup>2</sup>
580	558	3900mm <sup>2</sup>
680	658	4700mm <sup>2</sup>
780	758	5500mm <sup>2</sup>
880	858	6300mm <sup>2</sup>
980	958	7100mm <sup>2</sup>
1080	1058	7900mm <sup>2</sup>
1180	1158	8700mm <sup>2</sup>
1280	1258	9500mm <sup>2</sup>
1380	1358	10300mm <sup>2</sup>

For vents over 1200mm in length, a stiffener may be required if the vent will be exposed to high wind loadings. It depends on the depth of the glass pane below the vent. Check when placing your order.

### Special Sizes

Special sizes are available on request. Prices are based on the nearest standard size above. There is no extra charge for a special size.

Standard sizes can also be re-cut to special requirements by the fabricator. Simply follow the instructions supplied with the vent.

### Long Length System

You can purchase 5m lengths and associated components, subject to certain conditions regarding quantities and staff training.



### Colour Range

The following standard finishes are available ex-stock:

- Matt black and arctic white powder-coated finishes
- Silver and bronze anodised finishes

Special anodised or powder-coated colours are available on request. Contact us to confirm pricing.

### Delivery Times

Delivery for ex-stock (standard) colours is within three working days of receipt of the order. For non-standard colours, delivery times need to be confirmed.

### Determining Sizes

To determine sizes for the vent and glass height, refer to the full size drawings – Calculation of Vent Length and Calculation of Glass Reduction.

### When ordering please specify:

1. Either overall or daylight (sight) length.
2. Colour of vents.
3. Right or left hand control – looking from inside. Right hand side control is standard.
4. If cords are required and state length. Cords are not normally supplied.

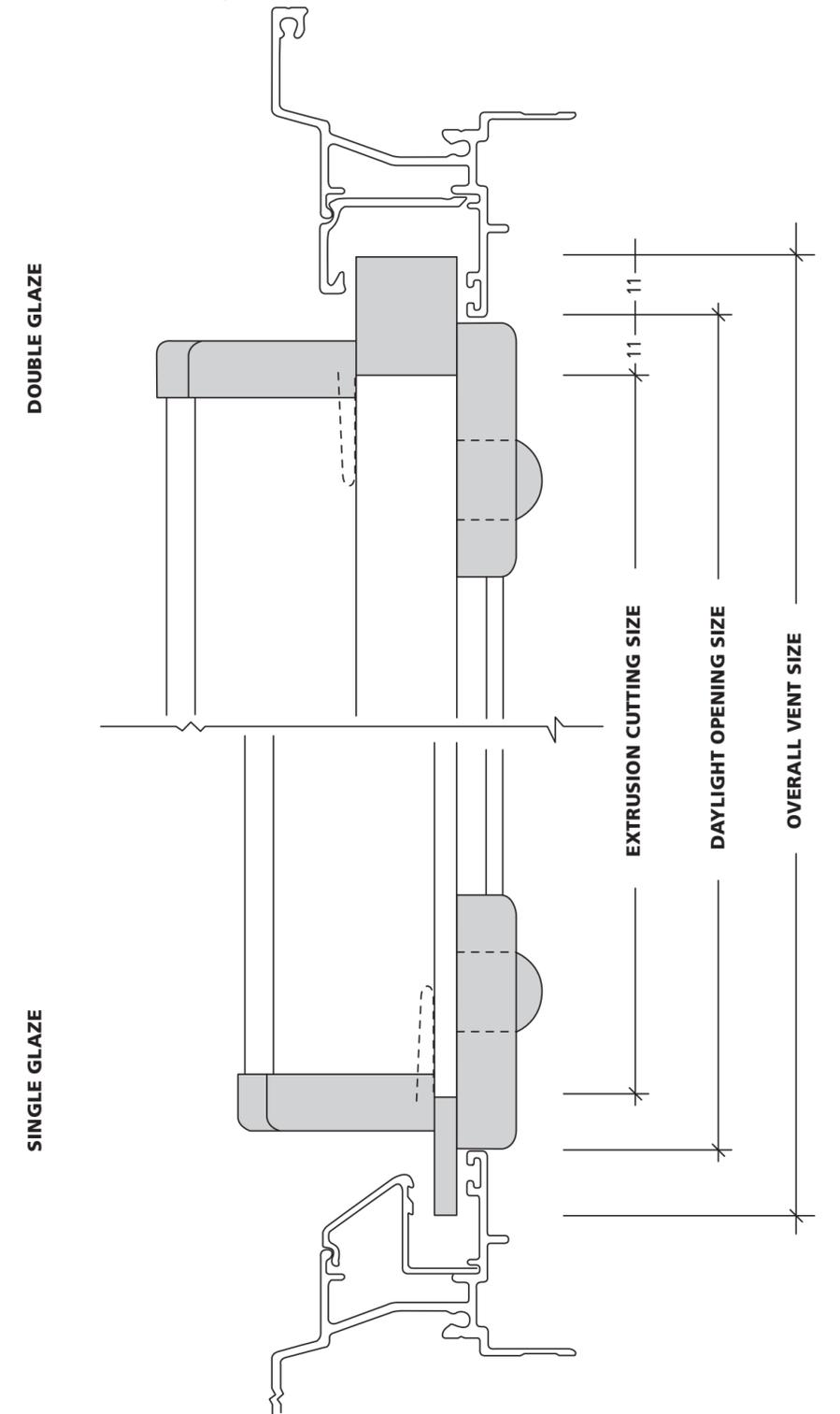
### Standards and Testing

*Easy Air* is a high specification vent designed for NZ conditions and complies with NZ:4211 Standard for windows. Its air leakage factor complies with level 2 of the above standard. Therefore it can be used commercially in air conditioned buildings. It can be cut to any size within the constraints of appearance (too small) and wind loading (too long).

Telarc test reports are available in PDF format from our web site [www.joinerydev.com](http://www.joinerydev.com)

We strongly recommend that you visit our website for more information. Alternatively, contact BRANZ for one of their detailed reports appropriate to your application.

### Calculation of Vent Length



SCALE 1:1