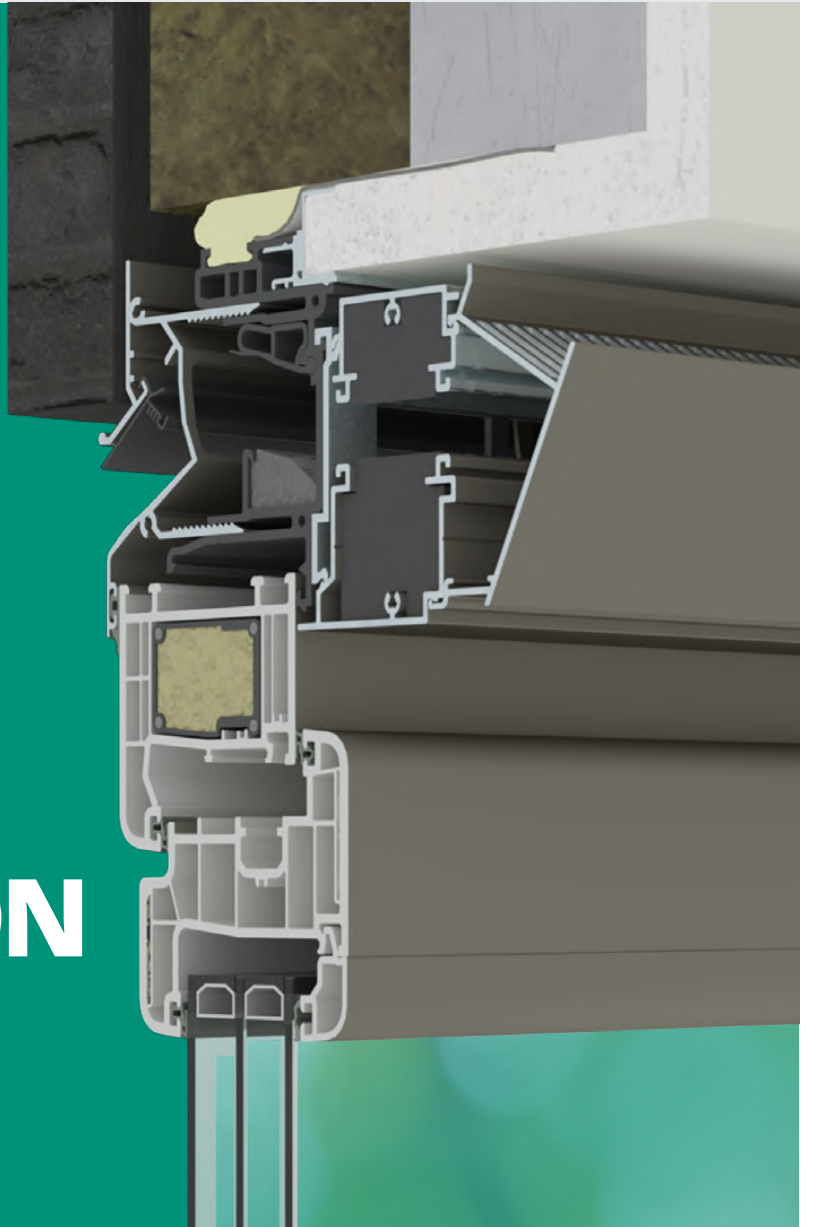


BROOKVENT

**SPECIALIST
ACOUSTIC
WINDOW
VENTILATION**

Brookvent Tunal Range



Comfort Without Compromise

Since its beginnings in 1984, the ethos within Brookvent has always been to consistently produce innovative, high performing ventilation products.

The **NEW Brookvent Tunal** range continues this trend and represents the latest in specialist acoustic window ventilation. The enhanced acoustic properties of the range succeed in significantly reducing external sound ingress whilst delivering a healthy indoor environment ensuring comfort without compromise.

The range has also been designed to combine high performance with visual appeal, offering seamless integration (on the glass or on the frame). Each product in the **Brookvent Tunal** range benefits from high levels of water tightness and being thermally broken. This makes the range the ideal solution for high-rise projects and/or those projects exposed to severe weather.



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► TUNAL TOP NEO DB 35 & DB 39

Acoustic window ventilation on the frame



Tunal Top Neo DB 35 & DB 39 is a high performing thermally broken over frame window vent in a choice of 2 acoustic reductions.

Features:

- Thermally broken
- Available in either 35dB or 39dB reduction
- Self-regulating
- Suitable for frame depths from 50–194mm
- Suitable for use on all type of window construction: aluminium, timber & plastic
- Inner profile acts as an insect grille. Easily removed for cleaning
- Natural upward deflection
- Manufactured from extruded aluminium



U_f^*
2,1 W/m².K

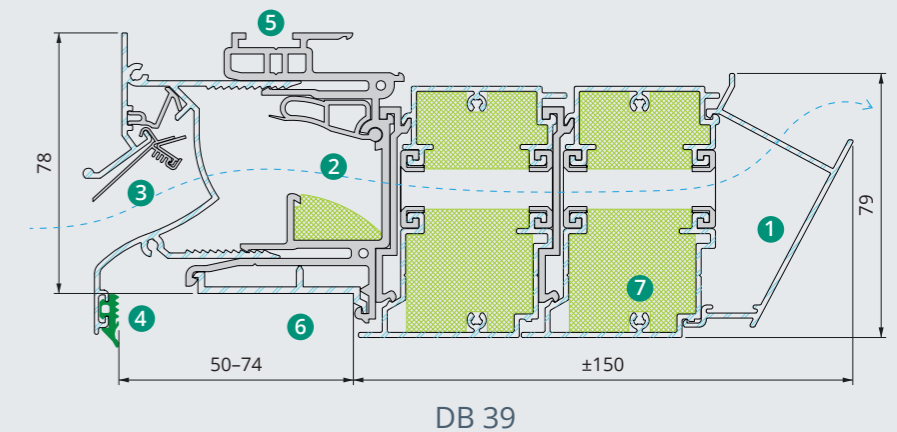
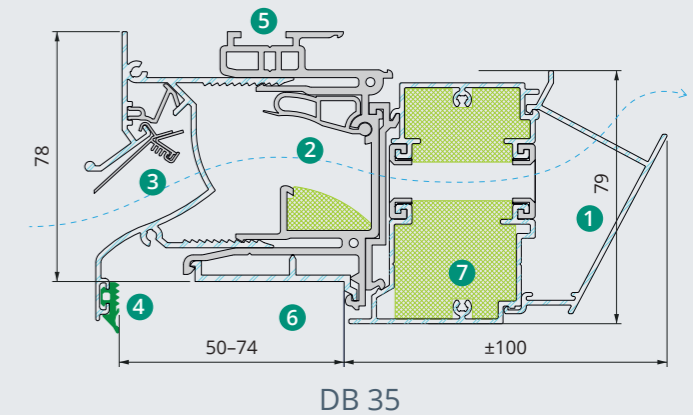
Equivalent Area (DB35)
12725 mm²/m

Equivalent Area (DB39)
10053 mm²/m

* Value for TunalTopNeo DB 35

The Principle

- 1 Natural upward flow of air via removable insect grille
- 2 Adjustable air inlet allowing for 5 different airflow positions
- 3 Self-regulating valve to ensure a uniform flow of air even in high winds
- 4 Gasket for continuous sealing on the window frame
- 5 Euronut groove 14/18
- 6 Fixation plate for each type of window framework available for different frame depths
- 7 Acoustic insulation module for optimal noise reduction



TunalTopNeo	DB 35	DB 39
Equivalent Area ⁽¹⁾	12725 mm ² /m	10053 mm ² /m
Air flow Q at 1 Pa	10.0 dm ³ /s/m	7.9 dm ³ /s/m
Air flow q ₁ at 2 Pa	51 m ³ /h/m	40 m ³ /h/m
Control options	5 different positions	
Self-regulation	Yes	Yes
U _f -value	2.1 W/m ² .K	2.2 W/m ² .K
Acoustic insulation D _{n, e, w} (C, Ctr) in open position	35 (-1;-2) dB	39 (-1;-3) dB
Insect grille	Yes	Yes
Water tightness		
- In closed position	650 Pa	650 Pa
- In open position	150 Pa	150 Pa
Leak flow in closed position at 50 Pa	<15%	<15%
Surface area	0.078 m ² /m	0.078 m ² /m
Build in height	78 mm	78 mm
Window frame depths (adjustable) larger on demand	50-194 mm	50-194 mm
Maximum dimension under guarantee	3000 mm	3000 mm

(1) Value for non self regulating version, according to EN 13141-1

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► TUNAL TOP NEO

Window ventilation on the frame



Tunal Top Neo is a high performing thermally broken over frame window vent.

Features:

- Thermally broken
- Self-regulating
- Suitable for frame depths from 50–194mm
- Suitable for use on all type of window construction: aluminium, timber & plastic
- Inner profile acts as an insect grille. Easily removed for cleaning
- Natural upward deflection
- Manufactured from extruded aluminium

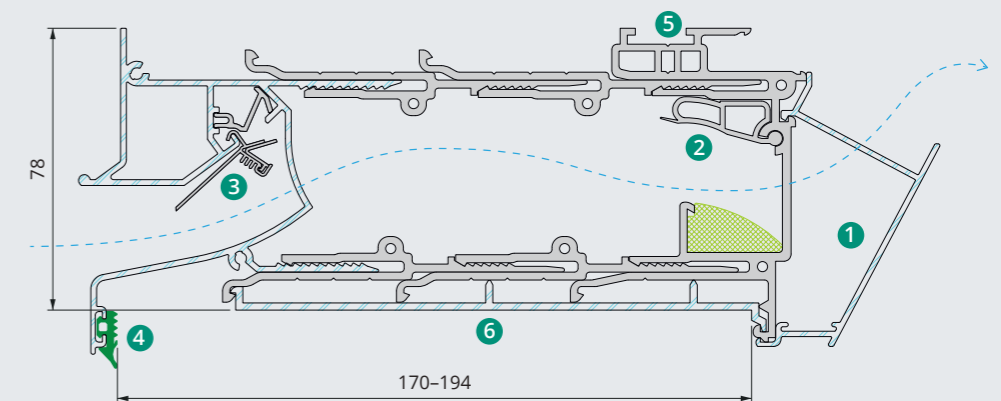
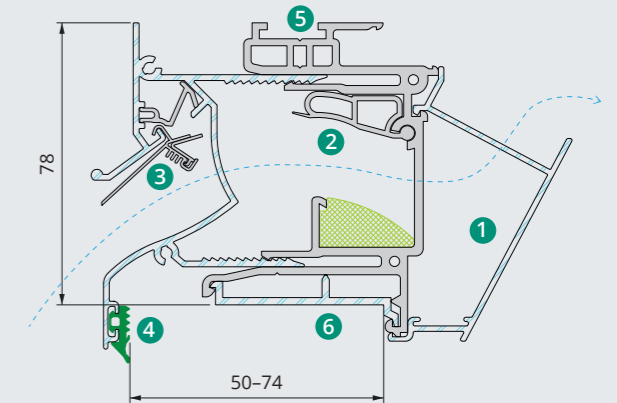


U_f
1,8 W/m².K

Equivalent Area
14125 mm²/m

The Principle

- 1 Natural upward flow of air via removable insect grille
- 2 Adjustable air inlet allowing for 5 different airflow positions
- 3 Self-regulating valve to ensure a uniform flow of air even in high winds
- 4 Gasket for continuous sealing on the window frame
- 5 Euronut groove 14/18
- 6 Fixation plate for each type of window framework available for different frame depths

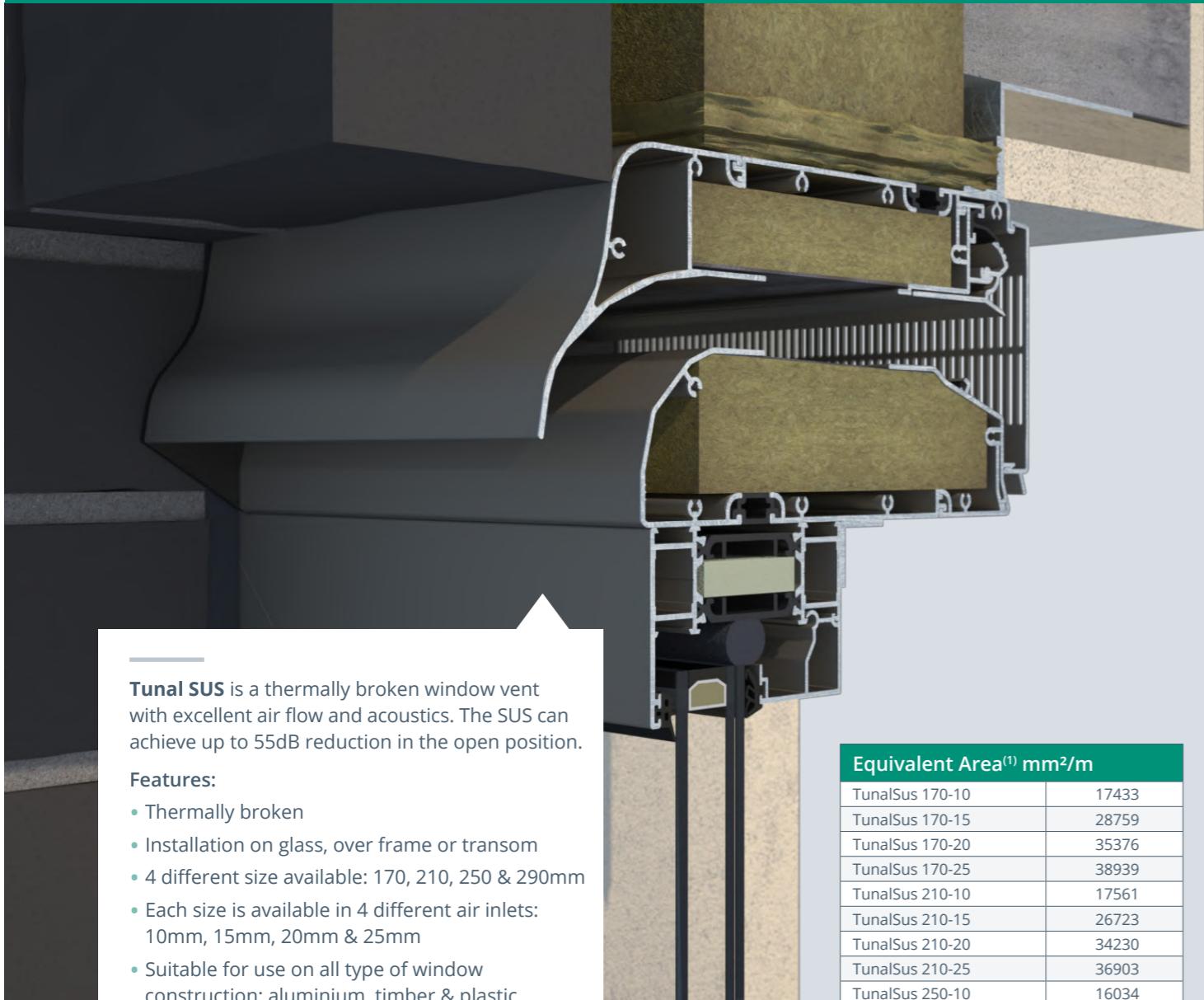


TunalTopNeo	
Equivalent Area ⁽¹⁾	14125 mm ² /m
Air flow Q at 1 Pa	11.1 dm ³ /s/m
Air flow q ₁ at 2 Pa	57 m ³ /h/m
Air flow q ₁ at 10 Pa	83 m ³ /h/m
L ₀ at 2 Pa ⁽²⁾	0.08 m
L ₀ at 10 Pa ⁽²⁾	0.21 m
Control options	5 different positions
Self-regulation	Yes
U _f -value	1.8 W/m ² .K
Acoustic insulation Dn,e,w (C, Ctr) in open position	29 (0;-1) dB
Insect grille	Yes
Water tightness	
- In closed position	650 Pa
- In open position	150 Pa
Leak flow in closed position at 50 Pa	<15%
Surface area	0.078 m ² /m
Build in height	78 mm
Window frame depths (adjustable), larger on demand	50-194 mm
Maximum dimension under guarantee	3000 mm

(1) Value for non self regulating version, according to EN 13141-1
 (2) L = total length vent – end cap dimension

airvent[≡] ► TUNAL SUS

Acoustic window ventilation on the frame



Tunal SUS is a thermally broken window vent with excellent air flow and acoustics. The SUS can achieve up to 55dB reduction in the open position.

Features:

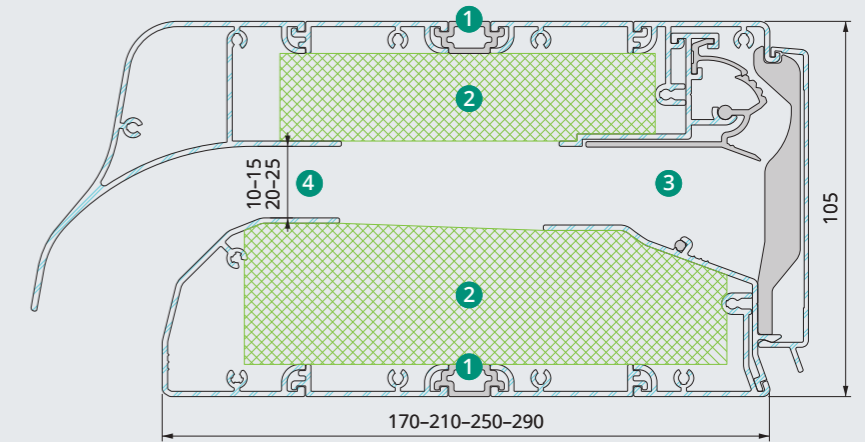
- Thermally broken
- Installation on glass, over frame or transom
- 4 different size available: 170, 210, 250 & 290mm
- Each size is available in 4 different air inlets: 10mm, 15mm, 20mm & 25mm
- Suitable for use on all type of window construction: aluminium, timber & plastic
- Inner profile acts as an insect grille. Easily removed for cleaning
- Manufactured from extruded aluminium



Equivalent Area ⁽¹⁾ mm ² /m	
TunalSus 170-10	17433
TunalSus 170-15	28759
TunalSus 170-20	35376
TunalSus 170-25	38939
TunalSus 210-10	17561
TunalSus 210-15	26723
TunalSus 210-20	34230
TunalSus 210-25	36903
TunalSus 250-10	16034
TunalSus 250-15	25196
TunalSus 250-20	33976
TunalSus 250-25	36139
TunalSus 290-10	15270
TunalSus 290-15	25323
TunalSus 290-20	33721
TunalSus 290-25	34103

The Principle

- 1 Thermal break, can be positioned in different places depending on application on window, glass or transom
- 2 Acoustic insulation for optimal noise reduction
- 3 Adjustable air inlet allowing for 5 different airflow positions
- 4 Air inlets available in sizes ranging from 10mm-25mm



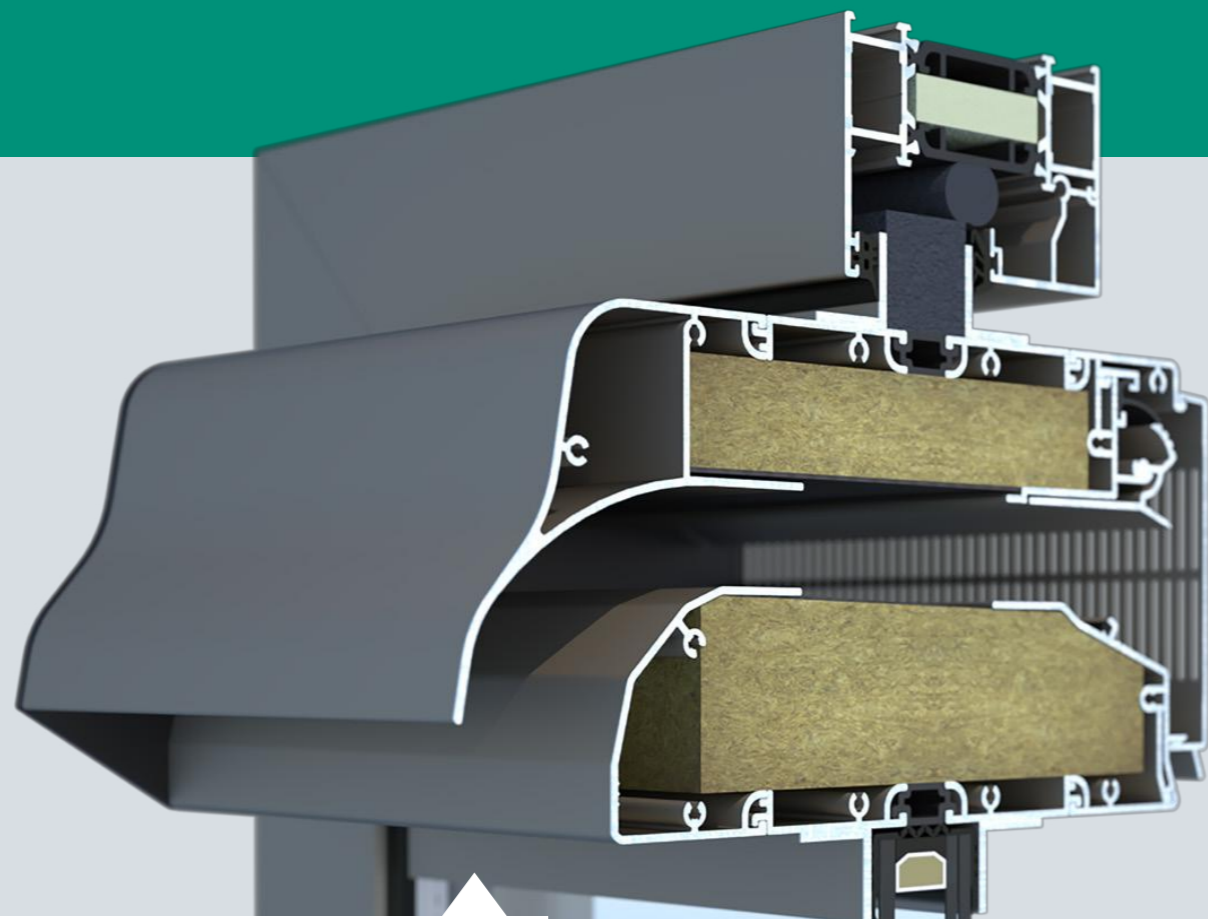
TunalSus	170	210	250	290
Air flow air inlet 10 mm Q at 1 Pa q ₁ at 2 Pa	13.7 dm ³ /s/m 74 m ³ /h/m	13.8 dm ³ /s/m 75 m ³ /h/m	12.6 dm ³ /s/m 74 m ³ /h/m	12.0 dm ³ /s/m 67 m ³ /h/m
Air flow air inlet 15 mm Q at 1 Pa q ₁ at 2 Pa	22.6 dm ³ /s/m 119 m ³ /h/m	21.0 dm ³ /s/m 117 m ³ /h/m	19.8 dm ³ /s/m 112 m ³ /h/m	19.9 dm ³ /s/m 110 m ³ /h/m
Air flow air inlet 20 mm Q at 1 Pa q ₁ at 2 Pa	27.8 dm ³ /s/m 144 m ³ /h/m	26.9 dm ³ /s/m 146 m ³ /h/m	26.7 dm ³ /s/m 142 m ³ /h/m	26.5 dm ³ /s/m 140 m ³ /h/m
Air flow air inlet 25 mm Q at 1 Pa q ₁ at 2 Pa	30.6 dm ³ /s/m 163 m ³ /h/m	29.0 dm ³ /s/m 159 m ³ /h/m	28.4 dm ³ /s/m 159 m ³ /h/m	26.8 dm ³ /s/m 155 m ³ /h/m
L ₀ at 2 Pa ⁽²⁾	0.03 m			
Control options	5 different positions			
Self-regulation	No			
U _f -value	4.5 W/m ² .K	4.6 W/m ² .K	4.6 W/m ² .K	4.7 W/m ² .K
Acoustic insulation Dn, e, w (C, Ctr), Air inlet 10 mm	Open 42 (-1;-3) dB Closed 51 (-1;-4) dB	Open 46 (-1;-4) dB Closed 51 (-1;-4) dB	Open 51 (-1;-6) dB Closed 55 (-2;-6) dB	Open 55 (-1;-5) dB Closed 59 (-2;-6) dB
Acoustic insulation Dn, e, w (C, Ctr), Air inlet 15 mm	Open 40 (-1;-3) dB Closed 51 (-1;-4) dB	Open 43 (-1;-3) dB Closed 55 (-1;-4) dB	Open 46 (-2;-5) dB Closed 55 (-1;-5) dB	Open 48 (-1;-5) dB Closed 56 (-2;-6) dB
Acoustic insulation Dn, e, w (C, Ctr), Air inlet 20 mm	Open 37 (0;-2) dB Closed 48 (-2;-4) dB	Open 40 (-1;-2) dB Closed 52 (-2;-4) dB	Open 43 (-1;-4) dB Closed 53 (-1;-4) dB	Open 46 (-1;-5) dB Closed 55 (-3;-5) dB
Acoustic insulation Dn, e, w (C, Ctr), Air inlet 25 mm	Open 35 (0;-2) dB Closed 45 (-1;-3) dB	Open 38 (-1;-2) dB Closed 55 (-1;-4) dB	Open 41 (-1;-4) dB Closed 50 (-1;-4) dB	Open 43 (-1;-5) dB Closed 53 (-1;-4) dB
Water resistance - In closed position - In open position	750 Pa 50 Pa			
Leak flow in closed position at 50 Pa	<15%			
Insect grille	Yes			
Installation height	105 mm			
Maximum dimensions under warranty	2500 mm on transom/frame - 2000 mm on glass			

(1) Value for non self regulating version, according to EN 13141-1
(2) L = total length vent - end cap dimension

airvent[≡]

► TUNAL SUS

Acoustic window ventilation on the glass



Tunal SUS is a thermally broken window vent with excellent air flow and acoustics. The SUS can achieve up to 55dB reduction in the open position.

Features:

- Thermally broken
- Installation on glass, over frame or transom
- 4 different size available: 170, 210, 250 & 290mm
- Each size is available in 4 different air inlets: 10mm, 15mm, 20mm & 25mm
- Suitable for use on all type of window construction: aluminium, timber & plastic
- Inner profile acts as an insect grille. Easily removed for cleaning
- Manufactured from extruded aluminium

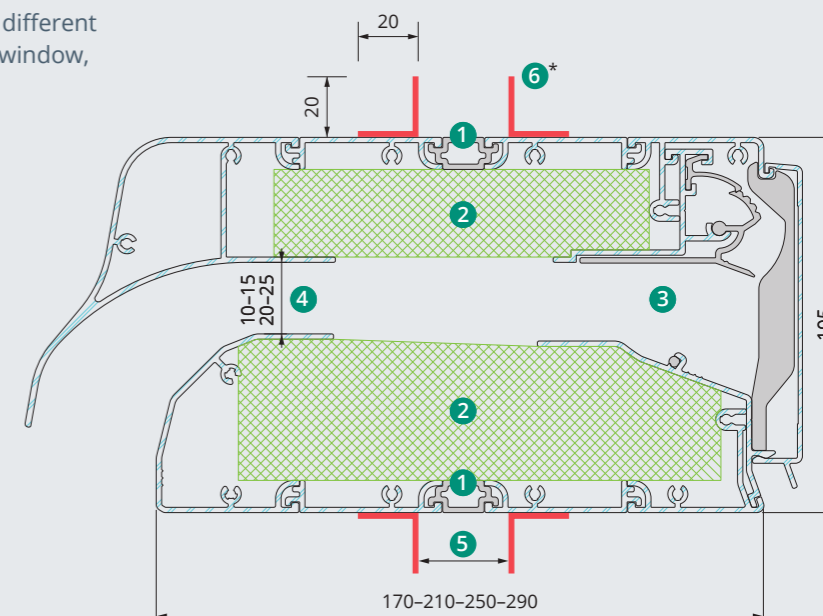


Equivalent Area ⁽¹⁾ mm ² /m	
TunalSus 170-10	17433
TunalSus 170-15	28759
TunalSus 170-20	35376
TunalSus 170-25	38939
TunalSus 210-10	17561
TunalSus 210-15	26723
TunalSus 210-20	34230
TunalSus 210-25	36903
TunalSus 250-10	16034
TunalSus 250-15	25196
TunalSus 250-20	33976
TunalSus 250-25	36139
TunalSus 290-10	15270
TunalSus 290-15	25323
TunalSus 290-20	33721
TunalSus 290-25	34103

The Principle

- 1 Thermal break, can be positioned in different places depending on application on window, glass or transom
- 2 Acoustic insulation for optimal noise reduction
- 3 Adjustable air inlet allowing for 5 different airflow positions
- 4 Air inlets available in sizes ranging from 10mm-25mm
- 5 Glass thickness profile for over glass option can be sized to suit your requirements
- 6 'L' profiles for over the glass option

*Standard 'L' profile measures 20mm x 20mm
Other configurations are available



TunalSus	170	210	250	290
Air flow air inlet 10 mm Q at 1 Pa q ₁ at 2 Pa	13.7 dm ³ /s/m 74 m ³ /h/m	13.8 dm ³ /s/m 75 m ³ /h/m	12.6 dm ³ /s/m 74 m ³ /h/m	12.0 dm ³ /s/m 67 m ³ /h/m
Air flow air inlet 15 mm Q at 1 Pa q ₁ at 2 Pa	22.6 dm ³ /s/m 119 m ³ /h/m	21.0 dm ³ /s/m 117 m ³ /h/m	19.8 dm ³ /s/m 112 m ³ /h/m	19.9 dm ³ /s/m 110 m ³ /h/m
Air flow air inlet 20 mm Q at 1 Pa q ₁ at 2 Pa	27.8 dm ³ /s/m 144 m ³ /h/m	26.9 dm ³ /s/m 146 m ³ /h/m	26.7 dm ³ /s/m 142 m ³ /h/m	26.5 dm ³ /s/m 140 m ³ /h/m
Air flow air inlet 25 mm Q at 1 Pa q ₁ at 2 Pa	30.6 dm ³ /s/m 163 m ³ /h/m	29.0 dm ³ /s/m 159 m ³ /h/m	28.4 dm ³ /s/m 159 m ³ /h/m	26.8 dm ³ /s/m 155 m ³ /h/m
L ₀ at 2 Pa ⁽²⁾	0.03 m			
Control options	5 different positions			
Self-regulation	No			
U _f -value	4.5 W/m ² .K	4.6 W/m ² .K	4.6 W/m ² .K	4.7 W/m ² .K
Acoustic insulation Dn, e, w (C, Ctr), Air inlet 10 mm	Open 42 (-1;-3) dB Closed 51 (-1;-4) dB	Open 46 (-1;-4) dB Closed 51 (-1;-4) dB	Open 51 (-1;-6) dB Closed 55 (-2;-6) dB	Open 55 (-1;-5) dB Closed 59 (-2;-6) dB
Acoustic insulation Dn, e, w (C, Ctr), Air inlet 15 mm	Open 40 (-1;-3) dB Closed 51 (-1;-4) dB	Open 43 (-1;-3) dB Closed 55 (-1;-4) dB	Open 46 (-2;-5) dB Closed 55 (-1;-5) dB	Open 48 (-1;-5) dB Closed 56 (-2;-6) dB
Acoustic insulation Dn, e, w (C, Ctr), Air inlet 20 mm	Open 37 (0;-2) dB Closed 48 (-2;-4) dB	Open 40 (-1;-2) dB Closed 52 (-2;-4) dB	Open 43 (-1;-4) dB Closed 53 (-1;-4) dB	Open 46 (-1;-5) dB Closed 55 (-3;-5) dB
Acoustic insulation Dn, e, w (C, Ctr), Air inlet 25 mm	Open 35 (0;-2) dB Closed 45 (-1;-3) dB	Open 38 (-1;-2) dB Closed 55 (-1;-4) dB	Open 41 (-1;-4) dB Closed 50 (-1;-4) dB	Open 43 (-1;-5) dB Closed 53 (-1;-4) dB
Water resistance - In closed position - In open position	750 Pa 50 Pa			
Leak flow in closed position at 50 Pa	<15%			
Insect grille	Yes			
Installation height	105 mm			
Maximum dimensions under warranty	2500 mm on transom/frame - 2000 mm on glass			

(1) Value for non self regulating version, according to EN 13141-1
(2) L = total length vent - end cap dimension

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