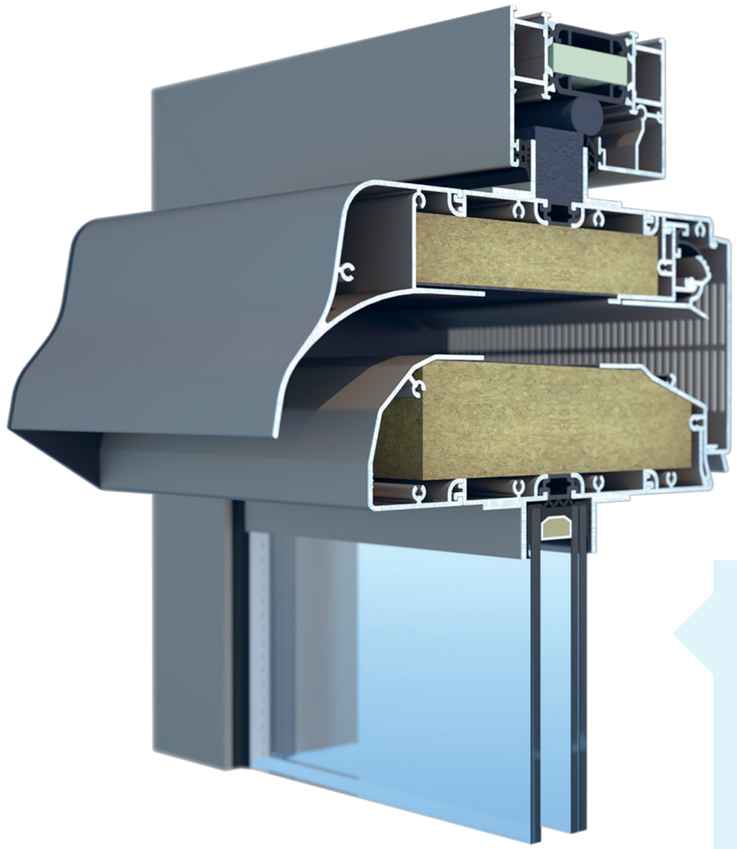
# TunalSus

## Acoustic window ventilation on glass, frame or transom



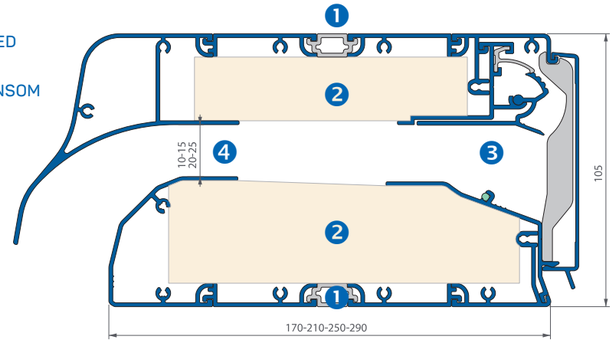
| Equivalent Area[1] mm²/m | |
|---|---|
| TunalSus 170-10 | 17433 |
| TunalSus 170-15 | 28759 |
| TunalSus 170-20 | 35376 |
| TunalSus 170-25 | 38939 |
| TunalSus 210-10 | 17561 |
| TunalSus 210-15 | 26723 |
| TunalSus 210-20 | 34230 |
| TunalSus 210-25 | 36903 |
| TunalSus 250-10 | 16034 |
| TunalSus 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 |

**TunalSus** is a **thermal interrupted, multi-flow and acoustic vent**. TunalSus consists of types 170, 210, 250 and 290 mm installation depth. Every model is available with 4 different air inlets (10, 15, 20 or 25 mm).

- Installation on glass, frame or transom
- Integrated solution for acoustics and ventilation
- 16 types in total, for each noise-affected situation

## The principle

1. THERMAL INTERRUPTION, TO BE POSITIONED IN DIFFERENT PLACES, DEPENDING ON APPLICATION ON WINDOW, GLASS OR TRANSOM
2. ACOUSTICAL INSULATION FOR OPTIMAL NOISE REDUCTION
3. INTERNAL CLOSING VALVE, ADJUSTABLE IN 5 POSITIONS
4. AVAILABLE FOR DIFFERENT AIR INLETS




| TunalSus | 170 | 210 | 250 | 290 |
|---|---|---|---|---|
| Air flow air inlet 10 mm<br>Q at 1 Pa<br>$q_l$ at 2 Pa | 13.7 dm³/s/m<br>74 m³/h/m | 13.8 dm³/s/m<br>75 m³/h/m | 12.6 dm³/s/m<br>74 m³/h/m | 12.0 dm³/s/m<br>67 m³/h/m |
| Air flow air inlet 15 mm<br>Q at 1 Pa<br>$q_l$ at 2 Pa | 22.6 dm³/s/m<br>119 m³/h/m | 21.0 dm³/s/m<br>117 m³/h/m | 19.8 dm³/s/m<br>112 m³/h/m | 19.9 dm³/s/m<br>110 m³/h/m |
| Air flow air inlet 20 mm<br>Q at 1 Pa<br>$q_l$ at 2 Pa | 27.8 dm³/s/m<br>144 m³/h/m | 26.9 dm³/s/m<br>146 m³/h/m | 26.7 dm³/s/m<br>142 m³/h/m | 26.5 dm³/s/m<br>140 m³/h/m |
| Air flow air inlet 25 mm<br>Q at 1 Pa<br>$q_l$ at 2 Pa | 30.6 dm³/s/m<br>163 m³/h/m | 29.0 dm³/s/m<br>159 m³/h/m | 28.4 dm³/s/m<br>159 m³/h/m | 26.8 dm³/s/m<br>155 m³/h/m |
| $L_0$ at 2 Pa [2] | 0.03 m | | | |
| Control options | 5 different positions | | | |
| Self-regulation | no | | | |
| U-value | 4.5 W/m².K | 4.6 W/m².K | 4.6 W/m².K | 4.7 W/m².K |
| Acoustic insulation Dn, e, w (C, Ctr) , Air inlet 10 mm | Open 42 (-1;-3) dB<br>Closed 51 (-1;-4) dB | Open 46 (-1;-4) dB<br>Closed 51 (-1;-4) dB | Open 51 (-1;-6) dB<br>Closed 55 (-2;-6) dB | Open 55 (-1;-5) dB<br>Closed 59 (-2;-6) dB |
| Acoustic insulation Dn, e, w (C, Ctr) , Air inlet 15 mm | Open 40 (-1;-3) dB<br>Closed 53 (-1;-4) dB | Open 43 (-1;-3) dB<br>Closed 55 (-1;-4) dB | Open 46 (-2;-5) dB<br>Closed 55 (-1;-5) dB | Open 48 (-1;-5) dB<br>Closed 56 (-2;-6) dB |
| Acoustic insulation Dn, e, w (C, Ctr) , Air inlet 20 mm | Open 37 (0;-2) dB<br>Closed 48 (-2;-4) dB | Open 40 (-1;-2) dB<br>Closed 52 (-2;-4) dB | Open 43 (-1;-4) dB<br>Closed 53 (-1;-4) dB | Open 46 (-1;-5) dB<br>Closed 55 (-3;-5) dB |
| Acoustic insulation Dn, e, w (C, Ctr) , Air inlet 25 mm | Open 35 (0;-2) dB<br>Closed 45 (-1;-3) dB | Open 38 (-1;-2) dB<br>Closed 55 (-1;-4) dB | Open 41 (-1;-4) dB<br>Closed 50 (-1;-4) dB | Open 43 (-1;-5) dB<br>Closed 53 (-1;-4) dB |
| Water resistance<br>- In closed position<br>- In open position | 900 Pa<br>50 Pa | | | |
| Leak flow in closed position at 50 Pa | <15% | | | |
| Insect repellent | complies | | | |
| Installation height | 105 mm | | | |
| Maximum dimensions under warranty | 2500 mm on transom/frame<br>2000 mm on glass | | | |
| End cap dimension | 6 mm | | | |

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



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