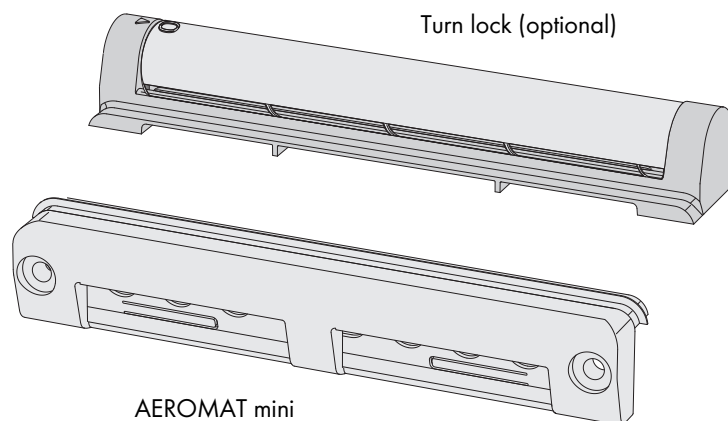


Window ventilator with optional turn lock

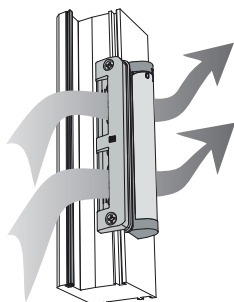


Application

- Suitable for timber, PVC and aluminium windows and French doors
- Installation horizontally in the top and in the side frame rebate

Function

- The AEROMAT mini is a passive window rebate ventilator built for installation in the upper third of the window. The room is ventilated as the indoor and outdoor air pressures are equalised (pressure differential); as this happens, the air normally flows from outside into the room.



- Thanks to a specially balanced float element, the integrated air volume regulator (volumetric flow limiter) prevents excessive amounts of air from flowing indoors when wind pressure is high (e.g. during a storm). If the air pressure drops, the air volume regulator opens to let in fresh air.

Features

- With optional turn lock for manual opening and closing of the air supply.

Technical data

Specifications for a AEROMAT mini	
(approx.) air flow	at 2 Pa up to 2 m ³ /h ¹⁾ at 4 Pa up to 3 m ³ /h ¹⁾ at 8 Pa up to 5 m ³ /h ¹⁾ at 10 Pa up to 6 m ³ /h ¹⁾ at 100 Pa up to 14 m ³ /h ¹⁾
Resistance to driving rain according to DIN EN 12208	no water ingress up to a maximum test pressure of 600 Pa
Dimensions (W x H x D)	125 mm x 21.3 mm x 16.4 mm
Specifications for a turn lock	
Dimensions (W x H x D)	125 mm x 18 mm x 22.5 mm

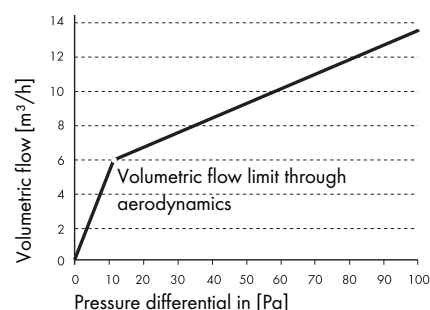
¹⁾ with installation in pairs (depending on the profile)

Air throughput diagram

Maximum performance data of the AEROMAT mini without influence of the window

Sound absorption according to ISO 140-10:1991-12

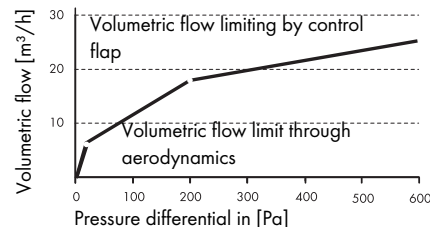
Test results: Given that the window has sound absorption of 42 dB, the use of one AEROMAT mini can reduce sound absorption by 1-2 dB, by 3 dB with the use of two AEROMAT mini. The turn lock has no effect on sound absorption. Depending on the profile system and profile geometry, the volumetric flow can be reduced by approx. 20%.



Throughput data of the AEROMAT mini in the window

Example: PVC window, centre seal system, RAM: 1230 x 1480 mm

Volumetric flow of the AEROMAT mini as independently regulating outside air passage (ALD) with upper volumetric flow limitation



Ordering information

Description	Colour	Box quantity	Material no.
AEROMAT mini, Standard ^{2) 3)}	RAL 9016 white	25 units	L4210100-004040
AEROMAT mini, Leg 2.5 mm ^{2) 3)}	RAL 9016 white	25 units	L4210110-004040
AEROMAT mini, Leg 5 mm ^{2) 3)}	RAL 9016 white	25 units	L4210120-004040
Turn lock ^{3) 4) 5)}	RAL 9016 white	25 units	L4210050-004040
	Si-silver	25 units	L4210130-025040
Jig: drilling jig PVC/timber	-	1 unit	L4210080-522010
Jig: drilling jig LM	-	1 unit	L4210090-522010
Jig: routing template timber for 9 mm groove axis	-	1 unit	L4210070-522010
Jig: routing template timber, for 13 mm groove axis	-	1 unit	L4210210-522010

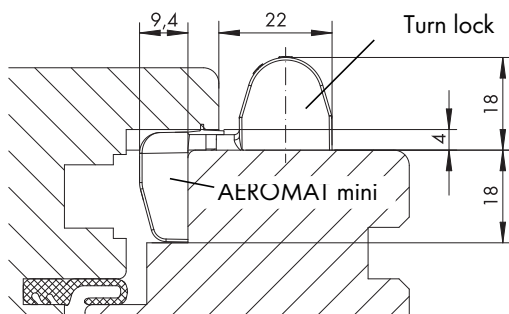
²⁾ see AEROMAT mini Profile data list

³⁾ from 3,000 units of closed order quantity special colour (dyed through, similar to RAL) available at an extra charge (excludes: red, orange, terra and metallic colours)

⁴⁾ from 1,000 units of closed order quantity special colour (varnished, all RAL colours) available at an extra charge

⁵⁾ A limit stay of 90° must be installed with aluminium windows with LM hardware and surface-mounted hinge side.

Positioning on the frame



Profile allocation

Device type	Scheme AEROMAT mini in frame (profile diagram symbolic)		
	PVC profile	Aluminium profile	Timber profile
AEROMAT mini; standard (mat. no. L4210100-004040)			
AEROMAT mini; Leg 2.5 mm (mat. no. L4210110-004040)			
AEROMAT mini; Leg 5 mm (mat. no. L4210120-004040)			

Aluminium frame groove dimensions

A0004	A0006	A0016	A0022

Profile data list

PVC profiles

Manufacturer	Profile system	AEROMAT mini	Material no.
Alphacan	Alphacan Profilia MD PE612/PE601	Leg 5 mm	L4210120-004040
	Alphacan Alphacan Alpha 70 Alphacan Alpha 80	Standard	L4210100-004040
Aluplast	Aluplast Ideal 1000 100022/100001 Aluplast Ideal 2000 120023/120002 Aluplast Ideal 3000 130023/130003 Aluplast Ideal 4000 140023/140002 Aluplast Ideal 5000 150023/150002 Aluplast Ideal 6000 160025/160003 Aluplast Ideal 7000 Aluplast Ideal 8000	Standard	L4210100-004040
Brökelmann ALUMINIUM with PVC slot	Brökelmann Series RG 75 RG1215 / RG 1130	Standard	L4210100-004040
Deceuninck	Deceuninck Mondial 2000 2020/2000 Deceuninck Deceuninck Zendow 3051/3001	Standard	L4210100-004040
Dimex	Dimex Accord Contour 7.0AD 712100/711800 Dimex Accord Contour 7.0AD 712100/720100 Dimex Elegance 8.0 AD 8103/8101 Dimex Elegance 8.0 AD 8112/8111 Dimex Comfort 210200/210100	Standard	L4210100-004040
Gealan	Gealan S8000 8094/8003 Gealan S7000 7093/7008 Gealan S3000 3093/3011	Standard	L4210100-004040
Horizont	HORIZONT PS penta 2521/2511	Standard	L4210100-004040
Inoutic	Exclusive Fl. ZE181/D/Ra. LE127	Standard	L4210100-004040
	Prestige sash Z176/frame L276 AD sash Z13/D/frame L10/D Deluxe Fl. ZD14/D/frame LD14/D Elite Fl. Z710/D/frame L710/D Arcade Fl. ZA780/D/frame LA710/D MD100 Fl. ZM100/frame LM100	Leg 5 mm	L4210120-004040
KBE	KBE MD 112/100	Leg 2.5 mm	L4210110-004040
	KBE AD 317/306 KBE AD 70 370/375 KBE MD 70mm	Standard	L4210100-004040
Kömmerling	Kömmerling EuroFutur Elegance 0111/0101 Kömmerling EuroFutur Classic 2411/2401 Kömmerling Eurodur 3S 1411/1401 Kömmerling K-Vision Kömmerling 88+	Standard	L4210100-004040

PVC profiles

Manufacturer	Profile system	AEROMAT mini	Material no.
LB profiles	LB profiles PAD AZ 2-3/AL 1-3 LB profiles PCD AD CZ 2-5/CL 2-5 LB profiles PCD MD CZ 2-5/CLM 2-5 LB profiles PAD Contour AZ 7-5/AL 7-5	Standard	L4210100-004040
LG profiles	LG profile	Standard	L4210100-004040
Rehau	Rehau Brilliant-Design 550060/550000 Rehau S735 544050/544080 Rehau S796 553011/553000 Rehau Basic-Design 554011/554001 Rehau Thermo-Design 554051/554151 Rehau Thermo-Design 70 550720/550710 Rehau Geneo AD Rehau Geneo MD	Standard	L4210100-004040
Roplasto	Roplasto 6001 Plus S AD 640200/619003	Leg 2.5 mm	L4210110-004040
	Roplasto 6001 Plus S MD 640200/610102	Standard	L4210100-004040
	Roplasto 7001 AD 220202/210800		
	Roplasto 7001 MD 820204/810705		
Salamander	Salamander Design 2D 211025/210020 Salamander Design 3D 211220/110220 Salamander Streamline 251020/250220 Salamander Brüggmann AD HP152/HP102 Salamander Brüggmann MD HP252/HP202 Salamander Design MD 111026/110036 Salamander Design 3D S 211120/110225 Salamander BluEvolution 171020/170420	Standard	L4210100-004040
Schüco	Schüco Corona CT 70-AS/MD 8562/8558 Schüco Corona AS 60 2-chamber 8103/8133 Schüco Corona AS 60 3-chamber 8217/8101 Schüco Corona SI 82 8812/8808 Schüco Corona CT 70 AS/MD	Standard	L4210100-004040
Trocac	Trocac System 88 mm	Leg 2.5 mm	L4210110-004040
	Trocac Series 900 920100/910100 Trocac InnoNova 2000 520600/510100		
	Trocac Confort FI. 120100/Ra. 110100	Standard	L4210100-004040
	Trocac InnoNova 70 AD 620600/610100 Trocac InnoNova 70 MD 520600/510300 Trocac K-trend		

PVC profiles

Manufacturer	Profile system	AEROMAT mini	Material no.
Veka	Veka Topline AD 103.201/101.204	Standard	L4210100-004040
	Veka Topline MD 103.220/101.220		
	Veka Softline 70 103.232/101.208		
	Veka Swingline 103.235/101.235		
	Veka Topline Plus 103.211/101.211		
	Veka Softline AD 13 103.196/101.086		
	Veka Softline MD 103.117/101.098		
	Veka Softline AD 103.100/101.086		
	Veka Softline MD 70		
	Veka Alphaline 90 MD		
Wymar	Wymar 2500 sash 2520/frame 2212	Standard	L4210100-004040
	Wymar 3000 sash 3200/frame 3000		
	Wymar 2000 sash 2201/frame 2001		

Timber profiles

Profile system	AEROMAT mini	Material no.
Euro rebate 18/8-12/18-9	Standard	L4210100-004040
Euro rebate 18/8-12/20-9		
Euro rebate 20/8-12/18-9		
Euro rebate 20/8-12/20-9		
Euro rebate 24/8-12/18-13		
Euro rebate 24/8-12/20-13		
Eurogroove 7/8x4-12/18-9 FT18		
Eurogroove 7/8x4-12/20-9 FT18		
Eurogroove 7/8x4-12/18-9 FT20		
Eurogroove 7/8x4-12/20-9 FT20		
Eurogroove 11/8x4-12/18-13		
Eurogroove 11/8x4-12/20-13		

Aluminium profiles

Profile system	AEROMAT mini	Material no.
A0004	Leg 5 mm	L4210120-004040
A0006	Standard	L4210100-004040
A0016		
A0022		

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