

GE60

Fire resistant grille up to 60 minutes.

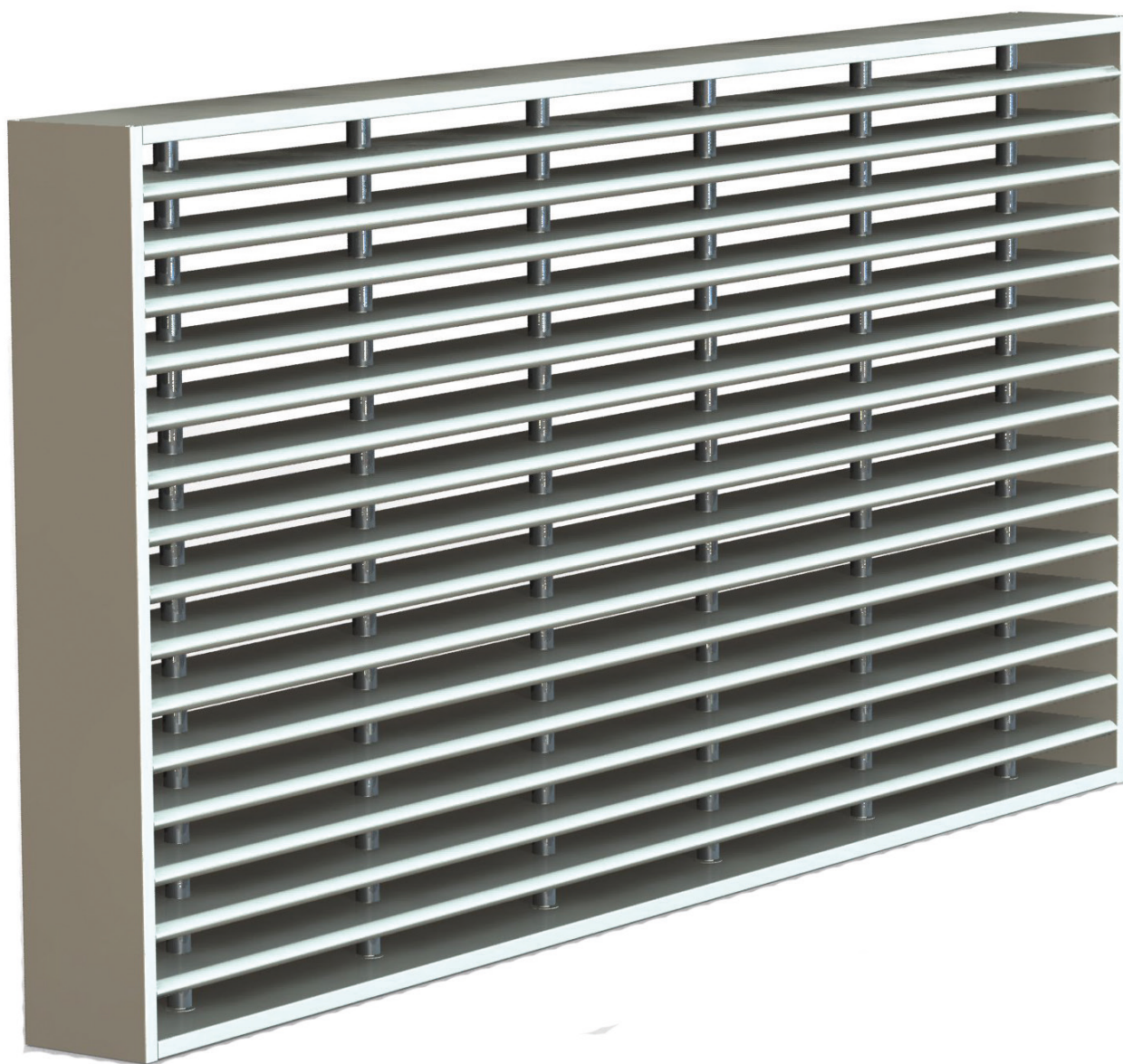


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Explanation of the abbreviations and pictograms

Wn = nominal width	S = smoke leakage	o -> i = meets the criteria from the outside (o) to the inside (i)
Hn = nominal height	W = radiation	GKB (type A) / GKF (type F): "GKB"
Sn = free air passage	Pa = pascal	stands for standard plasterboards (type
Dn = nominal diameter	ve = vertical wall penetration	A according to EN 520) while "GKF"
E = integrity	ho = horizontal floor penetration	plasterboards offer a higher fire resistance
I = thermal insulation	i <-> o = fire side not important	for a similar plate thickness (type F
		according to EN 520)
		Q = airflow



suitable for built-in installation



rectangular linear bar (see-through)

CLASSIFICATIONS

CLA_G4_EN - A-01/10/2025

5. Harmonised standard / European Assessment Document: notified body / European Technical Assessment, Technical Assessment Body, notified body; certificate of constancy of performance:				
Essential characteristics				
Range	Type	Construction	Sealing	Installation
100x100 mm ≤ GE60 ≤ 800x400 mm	Rigid wall	Aerated concrete ≥ 100 mm	Soudal Firecyl	1
100x100 mm ≤ GE60 ≤ 800x400 mm	Rigid wall	Aerated concrete ≥ 100 mm	Soudal Firecyl	1
1	Type of installation: built-in, sleeves horizontal			
				Harmonised standard

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
Duchan Laplace, R&D Manager


Oosterzele, 01/10/2025



Product presentation GE60

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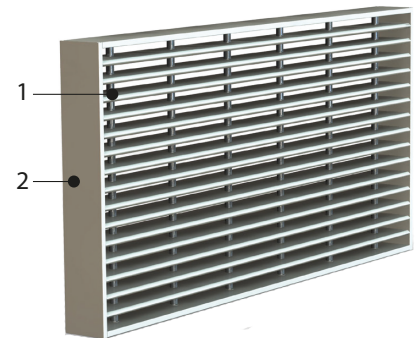
Rectangular linear bar grille ensuring 60 minutes fire resistance in rigid walls. With their neutral aspect, these grilles are ideally suited for the natural ventilation of technical rooms.

✓ easy to install



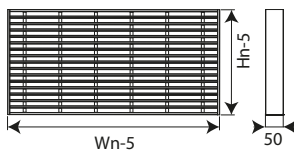
- suitable for built-in installation
- tested in accordance with EN 1364-1 & EN 1364-5
- suitable for installation in rigid wall
- rectangular linear bar (see-through)
- for indoor use
- available in RAL 7035

1. slats in synthetic material, filled with intumescent fire-resistant strips (as from 100°C)
2. frame in synthetic material



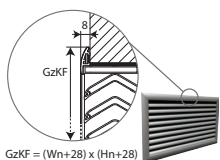
Range and dimensions GE60

	≥	≤
(W x H) mm	100x100	800x400



Wn/Hn in steps of 50 mm

Evolution - kits



GZKF

Fixed finishing frame for GZ60 (also applicable as a kit for GE60)

Storage and handling

As this product is a safety element, it should be stored and handled with care.

It is recommended:

- to unload in a dry area
- to keep in a cool, dry area, protected from humidity and heat
- to transport the product in a closed vehicle
- to transport the product with the lamellas in their horizontal position, by holding the grille at the sides (not at the upper or lower frame board!)

Installation

General points

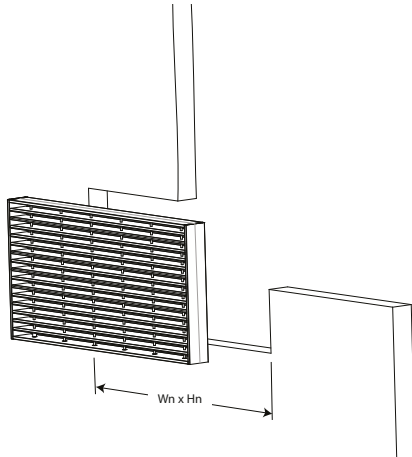
- The installation must comply with the installation manual and the classification report.
- Rf-t fire resistant grilles are always tested in standardised constructions according to EN 1634-1/EN 1364-1/EN 1364-2/EN 1364-5. The achieved results are valid for similar supporting constructions with a fire resistance, thickness and density equal or superior to the supporting construction used during the test.

Installation in rigid wall

The product was tested and approved in:

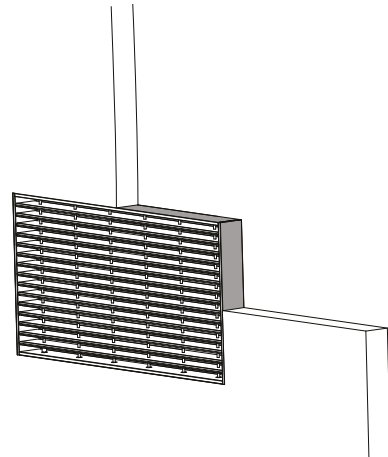
Range	Wall type		Sealing	Classification
$100 \times 100 \text{ mm} \leq \text{GE60} \leq 800 \times 400 \text{ mm}$	Rigid wall	Aerated concrete $\geq 100 \text{ mm}$	Soudal Firecryl	EI 60 ($v_e i \leftrightarrow o$)
$100 \times 100 \text{ mm} \leq \text{GE60} \leq 800 \times 400 \text{ mm}$	Rigid wall	Aerated concrete $\geq 100 \text{ mm}$	Soudal Firecryl	EW 60 ($v_e i \leftrightarrow o$)

1



1. Provide a min. installation opening in the wall = $W_n \times H_n$.
Apply Soudal Firecryl on all sides of the grille.

2



2. Mount the grille in the wall.
The product must be installed with the lamellas in their horizontal position.

Maintenance

- Clean with a soft tissue, moisten with a mild, soapy water. Do not use a scrub sponge, alkaline/acid cleanser or solvents such as alcohol and thinner. The use of such materials can damage the grille.

Weights

GE60

Hn\Wn [mm]		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
100	kg	0,3	0,3	0,4	0,6	0,7	0,8	0,9	1,0	1,1	1,2	1,3	1,4	1,5	1,7	1,8
150	kg	0,4	0,5	0,7	0,8	1,0	1,2	1,3	1,5	1,7	1,8	2,0	2,2	2,3	2,5	2,7
200	kg	0,5	0,7	0,9	1,1	1,3	1,6	1,8	2,0	2,2	2,4	2,7	2,9	3,1	3,3	3,5
250	kg	0,7	0,8	1,1	1,4	1,7	1,9	2,2	2,5	2,8	3,0	3,3	3,6	3,9	4,1	4,4
300	kg	0,8	1,0	1,3	1,7	2,0	2,3	2,7	3,0	3,3	3,7	4,0	4,3	4,6	5,0	5,3
350	kg	0,9	1,2	1,6	1,9	2,3	2,7	3,1	3,5	3,9	4,3	4,6	5,0	5,4	5,8	6,2
400	kg	1,1	1,3	1,8	2,2	2,7	3,1	3,5	4,0	4,4	4,9	5,3	5,8	6,2	6,6	7,1

Selection data

GE60 - A-weighted sound power level Lwa in the room

Hn\Wn [mm]		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
100	Sn [m²]	0,0042	0,0072	0,0097	0,0126	0,0151	0,0180	0,0205	0,0235	0,0259	0,0289	0,0314	0,0343	0,0368	0,0398	0,0422
	Sn [%]	52,04	56,03	55,66	57,33	56,87	57,89	57,47	58,20	57,83	58,39	58,07	58,53	58,25	58,63	58,38
	Q[-2Pa] m³/h	24,00	41,00	55,30	72,30	86,60	103,70	118,00	135,00	149,30	166,30	180,60	197,60	211,90	228,90	243,20
	Q[-10Pa] m³/h	62,30	100,80	133,10	171,50	203,90	242,30	274,70	313,10	345,50	383,90	416,30	454,70	487,10	525,50	557,90
150	Sn [m²]	0,0065	0,0111	0,0149	0,0195	0,0233	0,0278	0,0317	0,0362	0,0400	0,0446	0,0484	0,0530	0,0568	0,0613	0,0652
	Sn [%]	51,77	55,85	55,46	57,17	56,69	57,73	57,30	58,05	57,67	58,25	57,92	58,39	58,09	58,49	58,23
	Q[-2Pa] m³/h	37,30	63,60	85,60	111,90	134,00	160,20	182,30	208,50	230,60	256,80	278,90	305,10	327,20	353,40	375,50
	Q[-10Pa] m³/h	92,40	151,80	201,60	261,00	310,80	370,20	420,00	479,40	529,20	588,60	638,40	697,80	747,60	807,00	856,80
200	Sn [m²]	0,0089	0,0150	0,0202	0,0263	0,0315	0,0376	0,0428	0,0490	0,0541	0,0603	0,0654	0,0716	0,0768	0,0829	0,0881
	Sn [%]	51,64	55,76	55,36	57,09	56,60	57,66	57,22	57,97	57,59	58,17	57,84	58,31	58,02	58,42	58,15
	Q[-2Pa] m³/h	50,70	86,20	116,00	151,50	181,30	216,80	246,60	282,00	311,90	347,30	377,10	412,60	442,40	477,90	507,70
	Q[-10Pa] m³/h	122,60	202,80	270,20	350,40	417,80	498,00	565,40	645,60	713,00	793,20	860,60	940,80	1.008,20	1.088,40	1.155,70
250	Sn [m²]	0,0112	0,0189	0,0254	0,0332	0,0397	0,0474	0,0540	0,0617	0,0682	0,0760	0,0825	0,0902	0,0967	0,1045	0,1110
	Sn [%]	51,56	55,71	55,30	57,04	56,55	57,61	57,17	57,93	57,54	58,13	57,79	58,27	57,97	58,37	58,11
	Q[-2Pa] m³/h	64,00	108,70	146,30	191,00	228,60	273,30	310,90	355,60	393,10	437,90	475,40	520,10	557,70	602,40	640,00
	Q[-10Pa] m³/h	152,70	253,80	338,70	439,80	524,70	625,80	710,70	811,80	896,70	997,80	1.082,70	1.183,80	1.268,70	1.369,80	1.454,70
300	Sn [m²]	0,0140	0,0237	0,0318	0,0414	0,0495	0,0592	0,0673	0,0769	0,0851	0,0947	0,1028	0,1125	0,1206	0,1302	0,1383
	Sn [%]	53,33	57,55	57,09	58,87	58,34	59,44	58,97	59,75	59,35	59,95	59,60	60,09	59,78	60,19	59,91
	Q[-2Pa] m³/h	80,50	136,20	183,00	238,60	285,40	341,10	387,90	443,50	490,30	546,00	592,80	648,40	695,20	750,90	797,70
	Q[-10Pa] m³/h	190,00	315,90	421,60	547,50	653,20	779,10	884,80	1.010,70	1.116,40	1.242,20	1.348,00	1.473,80	1.579,60	1.705,40	1.811,20
350	Sn [m²]	0,0163	0,0276	0,0370	0,0483	0,0577	0,0690	0,0784	0,0897	0,0991	0,1104	0,1198	0,1311	0,1405	0,1518	0,1612
	Sn [%]	53,03	57,26	56,80	58,58	58,06	59,15	58,69	59,47	59,06	59,67	59,31	59,81	59,49	59,91	59,63
	Q[-2Pa] m³/h	93,90	158,80	213,30	278,20	332,70	397,60	452,20	517,10	571,60	636,50	691,00	756,00	810,50	875,40	929,90
	Q[-10Pa] m³/h	220,20	366,90	490,20	636,90	760,20	906,90	1.030,10	1.176,90	1.300,10	1.446,90	1.570,10	1.716,90	1.840,10	1.986,80	2.110,10
400	Sn [m²]	0,0187	0,0315	0,0423	0,0551	0,0659	0,0788	0,0896	0,1024	0,1132	0,1261	0,1369	0,1497	0,1605	0,1734	0,1842
	Sn [%]	52,81	57,04	56,58	58,37	57,84	58,94	58,47	59,25	58,85	59,45	59,10	59,59	59,28	59,70	59,42
	Q[-2Pa] m³/h	107,20	181,30	243,60	317,80	380,00	454,20	516,50	590,60	652,90	727,00	789,30	863,50	925,70	999,90	1.062,20
	Q[-10Pa] m³/h	250,30	417,90	558,70	726,30	867,10	1.034,70	1.175,50	1.343,10	1.483,90	1.651,50	1.792,30	1.959,90	2.100,70	2.268,30	2.409,00

Every air flow lower than the above mentioned maximum value, will meet the listed A-weighted sound power level for the respective dimension. More information on sound power can be found in the product information on our website (documents).

Approvals and certificates

Sample order

GE60	200	200
1	2	3

1. product
2. width
3. height

Approvals and certificates

All our grilles are submitted to tests by official test institutes. Reports of these tests form the basis for the approvals of our grilles.