

FINISH

Architectural

LOUVRE GRILLES

Grille **Solid FG 30Z**



A SOLUTION FOR EVERY PROJECT

Finish Ventilation & Sun Control provides every building with a healthy supply of oxygen. With a comprehensive range of innovative natural and mechanical ventilation systems, either combined with external solar shading or otherwise, Finish offers the ultimate guarantee of a healthy and comfortable indoor climate. The occupant's health is,

therefore, central to Finish. A well-thought-out combination of basic ventilation, mechanical extraction, purge ventilation and solar shading ensures optimum air quality. Finish provides an innovative solution for residential buildings, offices, schools or care centres where everyone feels at home.

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A SOLUTION FOR EVERY SITUATION

→ Any building situation

Finish has a wide range of natural air intake grilles for **both new buildings and refurbishment projects**. Depending on the type of grille, Finish offers the following options:



G
Recessed wall
louvre with flange



N
Recessed wall
louvre without
flange



F
Window louvre



M
Surface mounted
wall louvre

→ Vandalism and intrusion security

Solid louvre blades are very sturdy and **'vandal-proof'**. The Grille Solid++ is **burglary-resistant up to class 2**, in accordance with the European standard.



→ Finish

Each type of grille is available in any colour: **SAA***, every **RAL** colour, **textured paint**, **special paints/lacquers**, etc. Every type of grille is lacquered as standard in **SeaSide** grade. In addition, every type of grille in this brochure complies with the **Qualicoat** or **Qualanod** quality specifications.

* Except Grille Transfer Acoustic



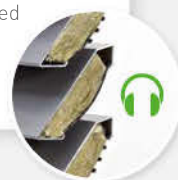
→ Penetration security

Grille Classic louvre grilles with **V-blades** are penetration-proof.



→ Sound absorption

Grille **Acoustic** louvre blades are fitted on the inside with non-combustible mineral wool and are ideally suited for applications with high levels of noise intrusion.



→ Insect screen and vermin screen

With Grille Solid louvre grilles with small punch slots (P1), the **perforated louvre blades** act as an insect screen. With all other types* (Solid P2, Classic, Acoustic and Close 35Z), **2.3 x 2.3 mm stainless-steel mesh** is provided as standard. 6 x 6 mm or 20 x 20 mm mesh can be selected as an option.



P1



P2



Stainless-steel
mesh

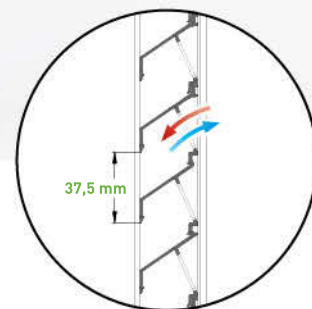
* Acoustic Panel, Grille Close 105 and Grille Transfer do not have standard insect screening.



Fall-through protection



Vandal-proof



Grille Solid FG 30Z

Grille Solid FG 30Z louvre blades offer high ventilation capacity with relatively small louvre blades. The 'stackable' louvre blades form a single screen, making them **extra strong** and **vandal-proof**.

The louvre blades are available with **small punching (P1)**, **large punching (P2)** or as **false louvres (NP)** and provide a uniform façade design when combined in a single project.

Grille Solid FG 30Z grilles comply with the BS6180 standard (class X or XI) for **fall-through protection** (except MR30Z and Solid ISO).

FRAME TYPES AND DIMENSIONS

| Dimensions in mm | G | G Large | F 30Z/24 | F 30Z/28 30Z/32 | M |
|------------------|--------------------|-------------------|--------------------|------------------------------|----------|
| Louvre pitch | 37,5 | | | | |
| Recess depth | 34,4 | 31,9 | - | - | - |
| Frame rebate | 18,2 | 40 | - | - | - |
| Frame depth | - | - | 38 | 42 | 43 |
| Flange width | - | - | 24 | 28/32 | - |
| Min. dimensions | min. W 200 x H 200 | | | | |

VENTILATION VALUES

| Feature | | P1 | | P2 | |
|--------------------------------------|---------|-------|-------|-------|-------|
| | | STND | +OPT | STND | +OPT |
| Visual free area | | 60 % | 60 % | 86 % | 86 % |
| Physical free area | | 34 % | 34 % | 48 % | 48 % |
| Ce (higher is better) | | 0,243 | 0,216 | 0,258 | 0,232 |
| Cd (higher is better) | | 0,234 | 0,242 | 0,253 | 0,266 |
| K-FACTOR (lower is better) | INTAKE | 16,94 | 21,43 | 15,02 | 18,58 |
| | EXHAUST | 18,26 | 17,08 | 15,62 | 14,13 |

WATER RESISTANCE

| Air velocity | Class | | | |
|--------------|-------|------|------|------|
| | P1 | | P2 | |
| | STND | +OPT | STND | +OPT |
| 0 m/s | B | B | C | B |
| 0,5 m/s | C | B | C | B |
| 1 m/s | C | C | C | B |
| 1,5 m/s | D | C | D | B |
| 2 m/s | D | D | D | C |
| 2,5 m/s | D | D | D | D |

→ Ventilation capacity

Each louvre is extensively tested and optimised by R&D department.

The **'High Performance'** HP louvre blades in the Grille Classic range ensure excellent air flow thanks to low resistance.

| Air flow performance class | Ce or Cd |
|----------------------------|-------------|
| 1 | ≥ 0,4 |
| 2 | 0,3 - 0,399 |
| 3 | 0,2 - 0,299 |
| 4 | ≤ 0,199 |

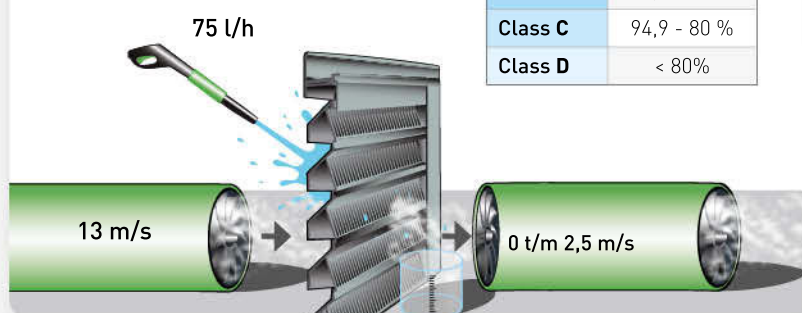


High Performance

→ Water resistance

All Grille louvre grilles have been tested by **BSRIA** in accordance with watertightness tests developed in collaboration with HEVAC. The test simulates 75 litres per hour rainfall at a wind speed of 13 metres per second. Based on the air speed in the louvre and the % of watertightness, the louvre is assigned a class.

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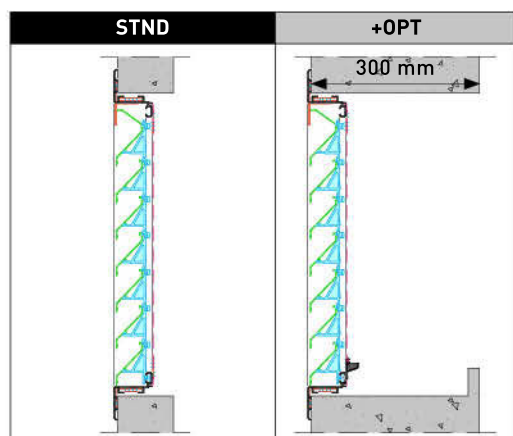
| | |
|---------|-------------|
| Class A | 100 - 99 % |
| Class B | 98,5 - 95 % |
| Class C | 94,9 - 80 % |
| Class D | < 80% |

→ Custom building

The height and width of each grille* can be determined to the mm.

With the exception of Grille Acoustic 150, Grille Close 35Z and Grille Transfer.

→ STND and +OPT version



The technical values of our grilles have been tested in two ways:

STND = 'Standard'

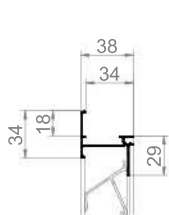
This is the standard version.

+OPT = '+Options'

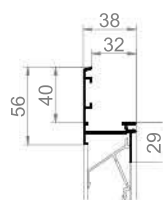
This is an optional version where the grille was tested in an installation situation of 300 mm and with (integrated) water gutter*.

The **+OPT** version will often bring better results in terms of water resistance. See each product page for all values per grille type.

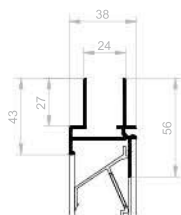
* Depending on the type of grille



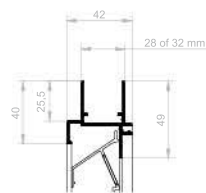
FG G 30Z
Recessed wall louvre
with edge



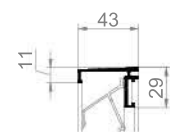
FG G 30Z Large
Recessed wall louvre with extra
large edge



FG F 30Z/24
Window louvre



FG F 30Z/28
FG F 30Z/32
Window louvre







M 30Z
Surface mounted wall
louvre

Punching

Grille Solid FG 30Z is available with louvre blades with **small punching (P1)**, **large punching (P2)** or without punching as **false louvres (NP)**. Combining the two in the same project ensures a uniform appearance.

INSECT SCREEN

| Punching | |  | | |
|-----------------|---|---|---|--------------------|
| | | P1 | P2 | NP |
| Resistant to... |  | Perforated louvre blades as insect screen | Stainless-steel mesh 2.3 x 2.3 mm STANDARD | 100 % false louvre |
| |  | | Stainless-steel mesh 6 x 6 mm OPTIONAL | |
| |  | | Stainless-steel mesh 20 x 20 mm OPTIONAL | |

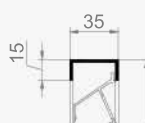
Round version: MR 30Z

The Grille Solid **MR 30Z** is a round surface mounted wall louvre.

DIMENSIONS

| | MR 30Z |
|-------------------------------|------------------------------------|
| Frame depth | 35 mm |
| Min. / max. dimensions | min. dia. 300 mm max. Ø 1500 mm |


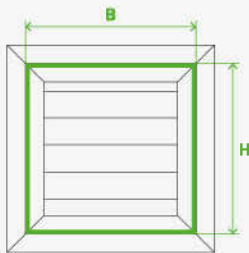

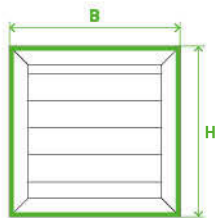

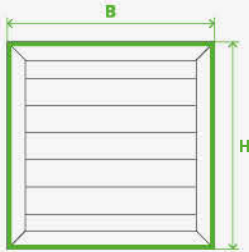

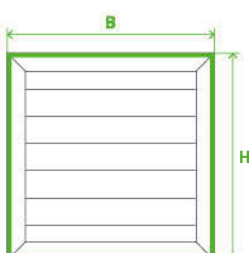


Stainless-steel mesh is not available for round louvre grilles. All other dimensions and properties are the same as for the Grille Solid M 30Z.



MR 30Z
Surface mounted wall
louvre



DIMENSIONS AND ORDERING INFORMATION

| Grille type | Grille size = ORDER SIZE | Mounting |
|--|--|---|
|  <p>G Recessed wall louvres with flange</p> |  <p>Dimension of louvre without flange (installation dimension) = (Width – 10 mm) × (Height – 10 mm) of the wall opening</p> | <p>Fixing lugs supplied as standard. Allow 5 mm clearance (all round) between opening in wall and frame for fixing.</p> |
|  <p>N Recessed wall louvre without flange</p> |  <p>Dimension of louvre (installation dimension) = (Width – 10 mm) × (Height – 10 mm) of the wall opening</p> | |
|  <p>M Surface mounted wall louvres</p> |  <p>Total Width × total Height of the louvre grille (overall dimension) (MR: diameter of the louvre)</p> | <p>Screws and plugs included as standard</p> |
|  <p>F Window louvres + Grille NightVent</p> |  <p>Total Width × total Height of the louvre grille (overall dimension)</p> | <p>Recessed mounting in window section</p> |
|  <p>Grille Close 105</p> | <p>Total Width x total Height of the louvre grille (overall dimension)</p> | <p>To be provided by customer</p> |
|  <p>Grille Transfer</p> | <p>Dimension of louvre without flange (installation dimension) = (Width – 10 mm) × (Height – 10 mm) of the wall/door opening</p> | <p>To be provided by customer</p> |