



## Comar-DucoWall Continuous Louvre Wall

Generated on 16.12.2019

### Detailed description

A range of heavy duty aluminium recessed wall mounted louvres, available in 14 versions and two finishes.

#### Features:

- Louvre system designed for recessed mounting in wall openings.
- Can be formed into non-loadbearing louvre walls.
- The entire louvre system is mounted in a frame profile, supported by square section mullions, which are manufactured to the required dimensions of the opening.
- Clips are attached to the mullions by means of a 'Turn and Click' system, on which the actual louvre blades are clipped.
- Comar-DucoWall Door units can be incorporated.
- Louvres can be formed into roof turrets to allow ventilation slots in roofs to be hidden.

### Product guidance - As Standard

#### Dimensions:

- Blade length (maximum): 6000 mm.
- Contact Comar Duco® for all aspects on the design and size of the louvre.
- A computer programme is available from Comar Duco® to assist in the design.

#### Material:

Aluminium: ISO 209-89: 6063.

#### Mullions:

50 x 50 aluminium box section extrusion.

#### Blade profile:

- S series: S-shaped.
- V series: V-shaped.
- Z series: Z-shaped.

### Options

#### Product reference:

#### Standard louvre system:

- Comar-DucoWall 50S:

Comar Architectural Aluminium Systems



#### Comar Architectural Aluminium Systems

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- Blade height: 76 mm.
- Pitch: 65 mm.
- Measured free area: 75.
- Protection: Horizontal or vertical PVC mesh, or stainless steel mesh.
- Access doors: Single and double.

#### - Comar-DucoWall 50/75S:

- Blade height: 76 mm.
- Pitch: 75 mm.
- Measured free area: 80.
- Protection: Vertical PVC mesh, or stainless steel mesh.
- Access doors: Single and double.

#### - Comar-DucoWall 70S:

- Blade height: 99 mm.
- Pitch: 85 mm.
- Measured free area: 79.
- Protection: Horizontal or vertical PVC mesh, or stainless steel mesh.
- Access doors: Single and double.

#### - Comar-DucoWall 90S:

- Blade height: 121 mm.
- Pitch: 105 mm.
- Measured free area: 80.
- Protection: Horizontal or vertical PVC mesh, or stainless steel mesh.
- Access doors: Single and double.

#### - Comar-DucoWall 20V:

- Blade height: 20 mm.
- Pitch: 20 mm.
- Measured free area: 95.
- Protection: Stainless steel mesh.
- Access doors: Single and double.

#### - Comar-DucoWall 35V:

- Blade height: 38.5 mm.
- Pitch: 35 mm.
- Measured free area: 59.
- Protection: Stainless steel mesh.
- Access doors: Single and double.



#### - Comar-DucoWall 70V:

- Blade height: 71 mm.
- Pitch: 65 mm.
- Measured free area: 65.
- Protection: Vertical PVC mesh, or stainless steel mesh.
- Access doors: Single and double.

#### - Comar-DucoWall 20Z:

- Blade height: 40 mm.
- Pitch: 35 mm.
- Measured free area: 63.
- Protection: Stainless steel mesh.
- Access doors: Single and double.

#### - Comar-DucoWall 50Z:

- Blade height: 76 mm.
- Pitch: 65 mm.
- Measured free area: 75.
- Protection: Vertical PVC mesh, or stainless steel mesh.
- Access doors: Single and double.

#### - Comar-DucoWall 50/75Z:

- Blade height: 76 mm.
- Pitch: 75 mm.
- Measured free area: 80.
- Protection: Stainless steel mesh.
- Access doors: Single and double.
- High performance louvre system:

#### Comar-DucoWall 60C series:

- Multi-purpose screening and high performance weather louvre system offering smooth blade profiles, manufactured from 'roll formed' aluminium alloy and fitted with thermoplastic clips, offering superior strength.
- The louvres work by tangential separation whereby rain droplets are collected within the system and drained to the louvre sill and out of the building.
- Triple bank louvres offer better rain defence at higher airflows than double bank louvres whilst still maintaining excellent low resistance to airflow.

#### - Comar-DucoWall 60C:

- Single bank weather louvre system.
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- Blade height: 54 mm.
- Pitch: 50 mm.
- Measured free area: 84.
- Protection: Vertical PVC mesh.
- Access doors: Not available.

#### - Comar-DucoWall 60C/2:

- Double bank weather louvre system.
- Blade height: 54 mm.
- Pitch: 50 mm.
- Measured free area: 84.
- Protection: Vertical PVC mesh.
- Access doors: Not available.

#### - Comar-DucoWall 60C/3:

- Triple bank weather louvre system.
- Blade height: 54 mm.
- Pitch: 50 mm.
- Measured free area: 84.
- Protection: Vertical PVC mesh.
- Access doors: Not available.

#### Comar-DucoWall 80HP:

- A high performance weather louvre system manufactured from extruded aluminium.
- The special shape of the blade has been designed to offer superior rain defence.
- Blade height: 102 mm.
- Pitch: 75 mm.
- Measured free area: 83.
- Protection: Vertical PVC mesh.
- Access doors: Not available.

#### Comar-DucoWall access door:

- Matching louvred DucoDoors can be incorporated in the structure, using similar louvre blades and in the same finish as the structure.
- Door frame and mullions: 50 x 50 aluminium box section extrusion.
- Width (maximum): 1250 mm (single door); 2500 mm (double door).
- Height (maximum): 2200 mm.
- PVC mesh strips: Designed to be fitted to the louvre blades (not 20Z), as wall louvres. Non-punched versions are also available.
- Ironmongery: A range of locks and handles are available, including a shootbolt for use with double doors.



### Aluminium angle sections:

- Designed to provide a special finish to the Comar-DucoWall blades.
- Six types are available.

### Finish:

- Satin anodized: 15–20 µm.
- Enamelled polyester powder coating: 60–80 µm, in all RAL colours.

### Protection:

#### - PVC mesh:

- Designed to be fitted to the louvre blades.
- Bird mesh: 7 mm wide slots.
- Insect mesh: 2.7 mm wide slots.
- Versions are available for fitting horizontally or vertically.

#### - Stainless steel mesh:

- Designed to be fitted behind the louvre blades.
- Bird mesh: 6 x 6 mm grille.
- Insect mesh: 2.3 x 2.3 mm grille.

### Special top blade:

The upper side of the louvre wall can be completed with a special top blade.

## Product specification

### Manufacturer

- Name: Comar Architectural Aluminium Systems
- Web: [www.comar-alu.co.uk](http://www.comar-alu.co.uk)
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### Product reference

Comar-DucoWall 20V  
Continuous Louvre Wall  
Comar-DucoWall 20Z  
Continuous Louvre Wall  
Comar-DucoWall 35V  
Continuous Louvre Wall  
Comar-DucoWall 50S



Continuous Louvre Wall  
Comar-DucoWall 50/75S  
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Continuous Louvre Wall  
Comar-DucoWall 60C  
Continuous Louvre Wall - High  
performance system.  
Comar-DucoWall 60C/2  
Continuous Louvre Wall - High  
performance system.  
Comar-DucoWall 60C/3  
Continuous Louvre Wall - High  
performance system.  
Comar-DucoWall 70S  
Continuous Louvre Wall  
Comar-DucoWall 70V  
Continuous Louvre Wall  
Comar-DucoWall 80HP  
Continuous Louvre Wall - High  
performance system.  
Comar-DucoWall 90S  
Continuous Louvre Wall

#### Comar-DucoWall access door

- Size (l x w) As drawing \_\_\_\_
- Opening Inward  
Outward
- Protection Not required  
PVC strip bird, horizontal  
PVC strip bird, vertical  
PVC strip insect, horizontal  
PVC strip insect, vertical  
PVC strip non-punched,  
horizontal  
PVC strip non-punched, vertical  
Stainless steel bird mesh  
Stainless steel insect mesh
- Ironmongery Not required  
120 mm N3 door handle  
130 mm handle with 8 mm  
square shaft  
150 mm Argenta 471 shootbolt  
Cylinder lock with key  
Doorlock  
T-door handle  
As schedule \_\_\_\_

#### Aluminium angle sections

- Type Not required  
35/15/135°  
55/15/135°  
75/15/135°



110/15/135°

120/15/135°

135/15/135°

- Size	As drawing ____
- Finish	Enamelled polyester powder coating, colour RAL ____ Satin anodized
<b>Protection</b>	Not required PVC bird mesh, horizontal PVC bird mesh, vertical PVC insect mesh, horizontal PVC insect mesh, vertical Stainless steel bird mesh Stainless steel insect mesh
<b>Special top blade</b>	Required Not required