



**L20 Doors/ Shutters/ Hatches**  
**610 Roller shutter doors**  
**Specification Text**

**Supplier:**

Guardian Sliding Grilles – Trading name for GUARDIAN INDUSTRIAL DOORS LTD 45 Progress Road Leigh On Sea Essex, SS9 5PR Tel: 01702 512424. Fax: 01702 260117. Email: [mail@slidingfoldinggrilles.co.uk](mailto:mail@slidingfoldinggrilles.co.uk) Web: <http://slidingfoldinggrilles.co.uk>

**Product reference:**

AIR Wave – Slotted- Sliding Folding Grille Shutter

**Arrangement:**

Side acting top hung sliding folding shutter

**Construction:**

Curtain constructed of 1.83 mm thick x 152 mm thick slotted aluminium panels. Panels framed by full height butt hinges on 178 mm centres, full height between top and bottom closure panels. Panels perforated with 6 mm by 32 mm oblong slots in evenly spaced columns and staggered rows. Calculated percent of airflow through panel = 30% and through Closure = 20%.

**Track/Trolleys:**

The overhead Track: 33 mm wide x 46 mm high thick extruded aluminum section with continuous recess for splice tongues and pins. Standard curves are available with 254 mm or 356 mm radius. Custom radius curved track is available to suite most conditions.

Trolleys: 29 mm diameter nylon tired ball bearing wheels; two wheel assembly at each hanger; three wheel assembly at all vertical members.

**Finish as delivered:**

Standard factory finishes are 10 micron clear anodizing, K1285 (white), K70632 (light bronze), K71232 (medium bronze) or K90421 (black) Duracron acrylic paint. Optional acrylic paint is available upon request to match RAL Colours (Consult factory). For class 0 or class 1 required, anodized finish is available.

**Operation:**

Manual push/Pull operation

**Locking Options:**

The grille incorporates 33 mm x 62 mm vertical posts spaced not to exceed 3,000 mm on center and located at each curve. Lead posts utilize concealed, masterkeyable cylinder operated hook-bolt with lock operable from both sides of curtain or optional thumb turn cylinder lock operable from tenant side of curtain that engages a full height wall channel. Intermediate posts provided with concealed, masterkeyable cylinder operated bottom ratcheted drop bolts with lock operable from interior or exterior side of the opening. Posts with drop bolts include dust proof stainless steel floor sockets.

The locking knobs are manufactured of heavy-duty aluminum construction.

The locking posts have a unique self-adjusting locking rod with (6) different positions of adjustments to allow for deflections in bulkheads and irregularities in finished flooring. The quick-connect locking post is also exclusive to Amstel grilles and closures. This post allows replacing or servicing of the locking post without removing the entire door. Also lead and end posts have special softly padded astragals that prevent damage too adjacent finished such as glass or mirror pocket doors and columns.

**Weight and Stacking:**

Grille weight is approximately 11 kg/metre square. Grille support must be able to carry the weight of a fully stacked door at any point along its length. Support is to carry the total weight / the total stacking

Minimum stacking is 87.5 mm/metre of opening plus 89 mm per locking member (consult factory for critical project specific stack dimensions). The structural support must be capable of carrying the weight of a fully stacked door at any point along its length.

**Optional accessories:**

Emergency egress doors: emergency egress doors are an available option on Vista range side-folding grilles. Egress doors to be fabricated from the same material and pattern as the grille curtain and be provided with a thumb turn lock on the secure side of the opening.

Pocket Doors: Factory supplied pocket doors are an available option with all side-folding units. Pocket doors stop at underside of track and look better aesthetically when the track is recessed in the ceiling or soffit. Pocket doors and frames are fabricated from A36 HR steel, USS 12-gauge. Hinges are 76.2 mm non-mortise type. Lock is a 25.4 mm security mortise cylinder. Standard finish is a phosphate treatment followed by a light gray baked-on polyester powder coat; minimum 0.065 mm cured film thickness. Optional RAL colors are available.

**Standard Warranty:**

1 year from date of shipment against defects in material and workmanship.