

BV-2 foot grille:

To supply and install to location and sizes Bolar Isomat manufactured **under a proven quality system** model: **BV-2**

As manufactured by:

Grillage Bolar (Canada) Inc.
50 Omer-Deserres
Blainville, Québec
J7C 5H2

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All aluminum components shall be extruded aluminum alloy 6063-T5

Deflection under live load:

The Isomat BV-2 shall be so conceived so as to accept a minimum uniform load of 120 Newton applied over a 4-inch square (100mm) surface in order to obtain a 1/180" deflection over a 2'-0" (610mm) span.

The perimeter frames shall be in aluminum like a "J" inverted shaped such as model "WW" by Bolar, for anchoring in concrete.

OR

The perimeter frames shall be in aluminum like a "L" such as model "WWI" by Bolar, for anchoring in concrete.

OR

The mat will be supplied with an aluminum frame type "SSA" type frame by Bolar. Consisting of an anti-slip aluminum extrusion with beveled edge, attached to the mat on two surfaces.

Blades shall be size 1 5/16" X 1/2" (35mm X 13mm). With an anti-slip insertion of Durometer 90 vinyl 3/16" (4.7mm) thick and locked in at each end. Blades are to be assembled together with a noise suppressing vinyl hinge. Overall depth from finished floor surface 1/2" (13mm). Spacing between blades is not to exceed 3/16" (4.7mm). Such as model BV-2 by Bolar. Based on the range of the manufacturer.

Spacing between blades and vinyl hinge shall be so as to meet manufacturer's specifications for the minimum weight capacity. Foot grille will be manufactured in sections so as to increase ease of maintenance.

The frames will be supplied without a pan. A coat of waterproofing is to be applied to the concrete base to avoid water infiltration (by others).

The sections shall have a friction coefficient of 0,78 and a cleaning efficiency of 41 %, percentage of opening shall be 10 %.

All sections shall be in accordance with ASTM B117 norms, and be able to sustain a 1000 hours salt fog without any notable changes.

Manufacturer shall be able to confirm this data and be able to supply architect with all necessary reports and shop drawings.

Installation:

The Isomat BV-2 sections will be installed in their frames, as a last item, to prevent damages during construction. Install all foot grilles, square and level with finished floor so as to permit easy manipulation of all sections. All frame members and intermediary supports are to be level and well supported on all their lengths in order to avoid any deflection over a long-term period.

All frames are to be thoroughly cleaned before installing any grille section for them not to exceed finished floor level. Protect grilles from construction traffic.

50, Omer-Deserres, Blainville Qc. J7C 5H2

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Option #1: Water run off

The vinyl hinges are notched every 300mm (12") in order to allow water to flow under the mat and into the pit area.

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