

Ventilation grille V1

DESCRIPTION OF THE MATERIAL

The plywood used for the V1 grille is Baltic birch plywood, also known as Multipli, renowned for its superior quality. Unlike traditional plywood made from softwoods (such as spruce, poplar, or pine), Multipli is made entirely from layers of birch, a hardwood.



TECHNICAL SPECIFICATIONS

- Wood species: 100% Baltic birch (hardwood)
- Structure: Plywood, without leaves or soft veneers
- Grade: BB (two uniform sides)
- Knots allowed: Small sound knots and pinholes (very limited)
- Repairs: Open knots and defects filled with veneer inserts of a similar color
- Stiffness: Very high
- Dimensional stability: Excellent
- Origin: Northern Europe/Baltic States

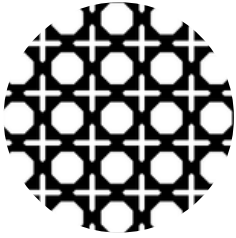
ADVANTAGES OF MULTIPLI IN ARCHITECTURAL APPLICATIONS

- Ideal for manufacturing decorative grilles thanks to its superior mechanical strength
- Uniform, attractive surface, perfect for visible finishes
- Suitable for heavy-duty use in commercial and institutional environments
- Compatible with precision CNC or laser cutting without delamination
- More rigid and durable than standard plywood

TYPICAL USES

Wall grilles and decorative ceilings; architectural privacy screens Built-in furniture or designer woodwork; residential, commercial, and institutional projects

TECHNICAL PROPERTIES



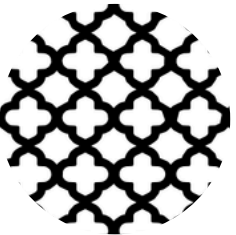
Rattan

- Estimated free area: 63.5%
- CFM air intake (return): 44 to 71 CFM
- CFM air outlet (blower): 71 to 106 CFM



Chevron

- Estimated free area: 66.1%
- Air intake CFM (return): 46 to 73 CFM
- Air outlet CFM (blowing): 73 to 110 CFM



Morocco

- Estimated free surface area: 64.6%
- Air intake CFM (return): 45 to 72 CFM
- Air outlet CFM (blowing): 72 to 108 CFM



Linear

- Estimated free surface area: 77.3%
- Air intake CFM (return): 54 to 86 CFM
- Air outlet CFM (blowing): 86 to 129 CFM

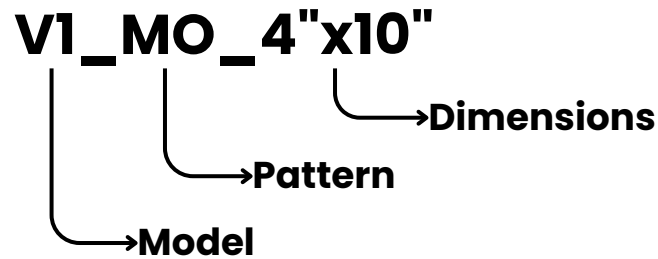
TECHNICAL PROPERTIES

	Dimensions (inches)	Free surface area (%)	CFM at 250 ft/min	CFM at 400 ft/min	CFM at 600 ft/min
Rattan	4 x 10	63.5	44	71	106
	6 x 12	63.5	79	127	190
	10 x 20	63.5	220	353	539
	14 x 14	63.5	216	346	519
	16 x 16	63.5	282	452	677
Chevron	4 x 10	66.1	46	73	110
	6 x 12	66.1	83	132	198
	10 x 20	66.1	230	367	551
	14 x 14	66.1	225	360	540
	16 x 16	66.1	294	470	705
Morocco	4 x 10	64.6	45	72	108
	6 x 12	64.6	81	129	194
	10 x 20	64.6	224	359	538
	14 x 14	64.6	220	352	528
	16 x 16	64.6	287	459	689
Linear	4 x 10	77.3	54	86	129
	6 x 12	77.3	97	155	232
	10 x 20	77.3	268	429	644
	14 x 14	77.3	263	421	631
	16 x 16	77.3	344	550	825

HOW TO ORDER

To order a product, please write to **info@boreart.ca** using the following template to ensure maximum accuracy.

The first two characters are the model code, followed by the pattern code; then come the desired dimensions, and the last letters represent the color.



Patterns

Rattan :	RA
Linear :	LI
Chevron :	CH
Morocco :	MO

Dimensions

4"x10"
6"x12"
10"x20"
14"x14"
16"x16"

*As they are custom-made, our ventilation grilles are also available in other sizes to meet more specific needs. For any custom orders, please contact us by email or phone.