

# ACOUSTICAL LOUVERS

## ABBREVIATED SPECIFICATION

Where indicated on drawings, supply and install Model A6457, 6" (152 mm) deep, acoustical louver. Submit all details to consultant for approval prior to fabrication. Blades, head, sill, jambs and mullions shall have a nominal thickness of 0.080" (1.57 mm) formed aluminum sheet. All blades, head and sill cavities shall be packed with acoustical insulation.

OR

Where indicated on drawings, supply and install Model A8457, 8" (203 mm) deep, acoustical louver. Submit all details to consultant for approval prior to fabrication. Blades, head, sill, jambs and mullions shall have a nominal thickness of 0.080" (1.57 mm) formed aluminum sheet. All blades, head and sill cavities shall be packed with acoustical insulation.

OR

Where indicated on drawings, supply and install Model AF1245, 12" (305 mm) deep, acoustical louver as manufactured by Ten Plus Architectural Products Ltd. Submit all details to consultant for approval prior to fabrication. Blades, head, sill, jambs and mullions shall have a nominal thickness of 0.080" (1.57 mm) formed aluminum sheet. All blades, head and sill cavities shall be packed with acoustical insulation.

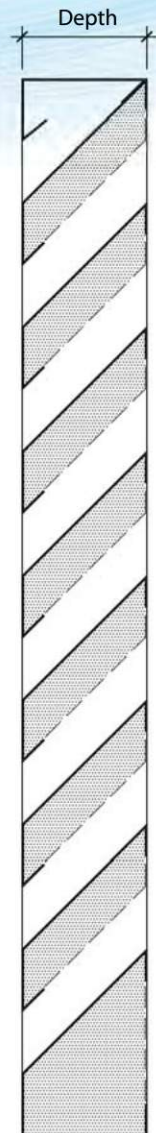
Louvers shall be supplied with a 1/2" (12 mm), 19 gauge (1 mm) welded and regalvanized wire mesh in a mill finish, aluminum frame. Fasteners shall be standard zinc plated steel or stainless steel.

Materials Manufacturer: Ten Plus Architectural Products Ltd., 26 - 6535 Millcreek Drive, Mississauga, Ontario, Canada, L5N 2M2; Phone: (866) 884-0717; Email: info@tenplus-online.com; URL: www.tenplus-online.com

Structural supports shall be designed and furnished by the Louver manufacturer to support a wind load of 20 psf (958 Pa), unless specified otherwise. Any Louver opening greater than 10' (3 m) high, will require a horizontal girt, at mid span by others.

Louvers shall be fabricated with mill finish aluminum and the finish shall be applied after assembly. Select desired finish from the following:

For superior performance, 3 coat PVDF system including a thermal setting application of 70% fluoropolymer resin. OR High performance 2 coat, PVDF system including a thermal setting application of 70% fluoropolymer resin. OR Pigmented Organic Thermal Setting Finish 1 coat system meeting or exceeding AAMA 2603. OR (Color Anodize) Ensure aluminum finish is colour anodized in accordance with Aluminum Association Finish Designation AA-M12C22A44, Class I, minimum 0.018 mm (0.7 mils) thick finish. Color to be selected by consultant. OR (Clear Anodize) Ensure aluminum finish is clear anodized in accordance with Aluminum Association Finish Designation AA-M12C22A41, Class I, minimum 0.018 mm (0.7 mils) thick for exterior applications and AA-12C22A31, Class II, minimum 0.01 mm (0.4 mils) thick for interior applications.



## TRANSMISSION LOSS (dB)

MODEL	DEPTH	Octave Band	1	2	3	4	5	6	7	8
		Frequency	63	125	250	500	1000	2000	4000	8000
A6457	152mm / 6"		7	7	7	8	11	15	14	14
A8457	203mm / 8"		7	7	8	10	17	18	16	16
A12457	305mm / 12"		7	7	11	14	19	19	17	17

## FREE FIELD NOISE REDUCTION (dB)

MODEL	DEPTH	Octave Band	1	2	3	4	5	6	7	8
		Frequency	63	125	250	500	1000	2000	4000	8000
A6457	152mm / 6"		13	13	13	14	17	21	20	20
A8457	203mm / 8"		13	13	14	16	23	24	22	22
A12457	305mm / 12"		13	13	17	20	25	25	23	23

CHANNEL FRAME  
STANDARD

FLANGE FRAME  
OPTIONAL

GLAZING FRAME  
OPTIONAL