

Datasheet

Panels AL-O/50 - 80 - 100 - 120 - 180

Material

The selection of materials entirely depends on your project specifications, the intended sound reduction and other environmental factors. Possibilities are thermal or electrolytic galvanized steel, corrosion resistant steel or (seawater resistant) aluminium.

Properties

Turn-key, in combination with steel construction, hoisting equipment, fall protection, liquid tight floor, vibration insulation, (filtered) ventilation systems, fire valves, exhaust fumes system, lighting, air-conditioning, heating, operating panels, detection systems, cable entries etc. Suitable for ATEX-environment.

Certifications

Approved and certified, among others by Lloyd's or DNV.

Noise reduction

The maximum potential sound reduction is determined per project, based on your requirements and specifications. Alara-Lukagro guarantees that the required sound reduction is achieved for these projects. Sound insulation up to R_w 58 dB tested in accordance with NEN-EN-ISO 140-3.

Fire resistance

Fire resistance >30 or >60 minutes tested in accordance with EN 1634-1 or NEN 6069.

Blasting and preservation

In-house blasting and preservation is available (powder coating and wet paint systems) if so required provided with photo print or lettering.

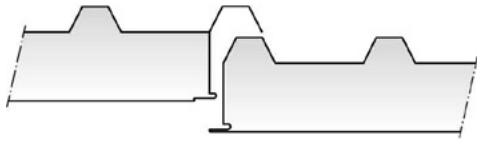
Assembly

Alara-Lukagro is ISO 9001, ISO 14001, VCA and NOGEPa certified and assembles worldwide.

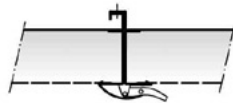
Insulation- and absorption values

	63	125	250	500	1k	2k	4k	8k	Hz	R_w (C, C _{tr})	α_w
AL-O/50S	-	20	25	28	28	29	41	-	dB	30 (-1, -3)	0,8
AL-O/50	19	21	27	34	41	43	45	45	dB	38 (-2, -6)	0,75
AL-O/50A	20,2	22,7	29,2	37,9	45,6	49,3	51,1	48,6	dB	41 (-1, -6)	0,75
AL-O/80S	-	22	26	32	29	39	49	-	dB	34 (-2, -4)	0,85
AL-O/80	19	21	27	34	41	43	45	45	dB	38 (-2, -6)	0,8
AL-O/80A	20,2	22,7	29,2	37,9	45,6	49,3	51,1	48,6	dB	41 (-1, -6)	0,8
AL-O/100S	-	22	27	33	31	41	51	-	dB	35 (-1, -4)	0,9
AL-O/100B	20,5	24,1	30,1	35,5	47,3	52,5	52,9	49,9	dB	41 (-1, -5)	0,9
AL-O/100D	23,7	25,6	32,2	38,1	48,7	52,5	52,8	51	dB	43 (-1, -5)	0,9
AL-O/100E	22,9	24,2	37,4	39,4	48,7	53,1	53,3	50,4	dB	45 (-2, -7)	0,9
AL-O/120S	-	23	27	33	29	42	51	-	dB	34 (-2, -4)	0,95
AL-O/180A	-	36	46	57	68	79	82	-	dB	58 (-2, -8)	0,8

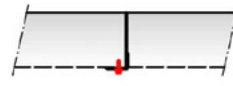
Roof panels



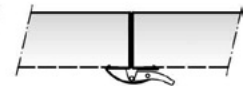
Tongue / groove



Fastener
Raised

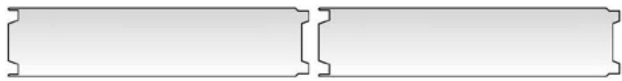


Screwed
connection

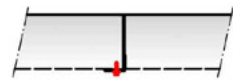


Fastener
flat

Wall panels



Tongue / groove



Screwed
connection

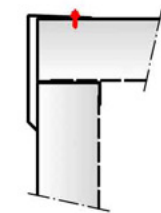


Fastener

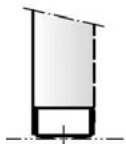
Roof-wall connection



Outside



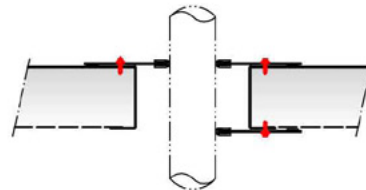
Inside



Lead-through

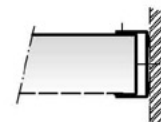
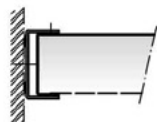
Single seal

Double seal



Outside

Inside



Wall-floor connection

Wall-wall connection

