

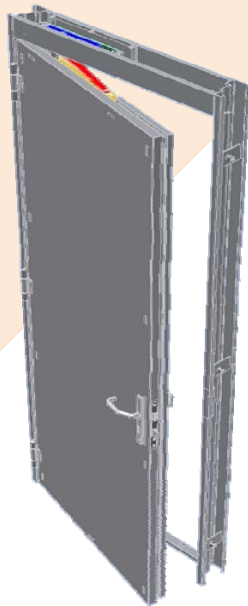


SOUND INSULATING & FIRE RESISTANT DOORS

AL ALARA-LUKAGRO
NOISE CONTROL

SOUND INSULATING & FIRE RESISTANT DOORS

Alara-Lukagro sound insulating and fire resistant doors type AL-D are designed to meet a large number of demands, developed for many different applications in both industrial as well as utility building. The quality of our sound insulating doors guarantees optimum user friendliness, extended lifetime, high value for money and, obviously, supreme sound insulation.



Alara-Lukagro offers several types of doors:

- ▶ sound insulating swing doors
- ▶ sound insulating & fire resistant swing doors
- ▶ sound insulating sliding & vertical lift doors

Properties

- ▶ standard dimensions and goods made to measure
- ▶ single- and double leaf versions
- ▶ sound insulation up to R_w 56 dB, tandem construction $\geq R_w$ 57 dB
- ▶ 30 or 60 minutes fire resistant
- ▶ burglar resistant according to NEN 5096 and EN 1627
- ▶ air- and watertight acc. to EN 1026/12207 and EN 1027/12208

Versions

All sound insulating doors are equipped with a double layer door panel, made out of galvanised steel sheet.

Options

- ▶ version in aluminium or stainless steel in different qualities
- ▶ preservation by means of primer, powder coating or various wet paint systems
- ▶ various types of threshold design
- ▶ sound insulating and/or fire retardant glass

Applications

- ▶ discotheques, theatres, cinemas, music and party centres, catering industry, community centres, studio's, dancing schools, etc.
- ▶ congress, fair and exhibition buildings
- ▶ technical rooms, machine rooms, enclosures, test cells, containers, transformer enclosures, cogeneration (combined heat and power, CHP) stations, etc.
- ▶ sound screens and barriers



Swing doors

All door panels have a thickness of 80 mm and are supplied complete with door frame in block design. From the outside, all doors look identical and therefore can be combined without it being visible. The sound insulating doors are also available with angular door frame. Door type AL-D 45 has single sealing; all other models have double rubber sealing for optimum sound insulation.



Horizontal and vertical sliding doors

When a large free passage is required, horizontal or vertical sliding doors are often the best choice. With the horizontal sliding doors you can choose between single or double leaf versions; depending on the application and available space. A custom designed rail system guarantees easy opening and closing, while at the same time assuring optimum sealing in closed position.

The vertical sliding doors are obviously only available in single leaf version. Both types have identical composition and acoustical performance.



Options

- ▶ hand lever lock with day and night latch
- ▶ espagnolette bolt / clasp fasteners
- ▶ worm lock
- ▶ door closers
- ▶ various door limiters and fasteners
- ▶ anti-panic locks
- ▶ burglary resistant
- ▶ fire resistant

In general, the door mountings are produced by a preferred supplier; but other brands can be available upon request.



Sound insulation values according to ISO 140-3:1995

Sound insulating swing doors (report Peutz A 1659-2 and Cauberg-Huygen 20082140)

	63	125	250	500	1k	2k	4k	8k	R _w (C, C _{tr})
AL-D/D45	19	32	41	40	43	49	51	-	45 (-2, -4)
AL-D/D50	11	36	43	47	51	51	52	46	50 (-1, -4)
AL-D/D52	17	36	46	49	52	54	58	52	52 (-1, -4)
AL-D/D54	21	41	48	52	55	55	60	53	54 (0, -3)
AL-D/D56	29	43	49	52	56	59	63	53	56 (-1, -4)

Sound insulating and fire resistant swing doors (report University of Salford AT/95/54 en 60)

	63	125	250	500	1k	2k	4k	8k	R _w (C, C _{tr})
AL-D/D47-B	23	22	38	48	51	48	53	-	47 (-4, -10)
AL-D/D54-B	-	35	44	51	56	58	61	-	54 (-2, -6)

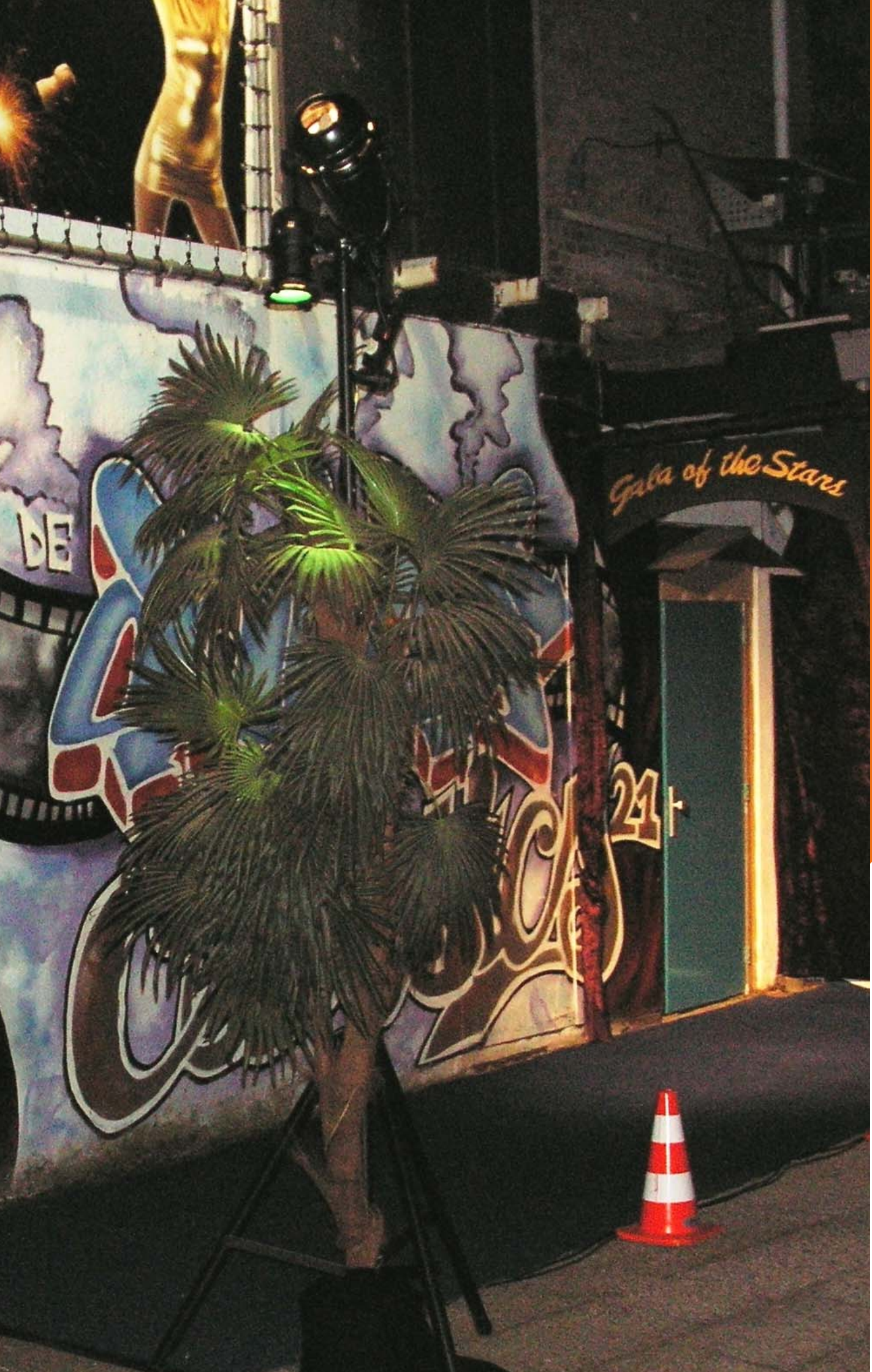
Sound insulating sliding doors and vertical lift gates (report LGAI TC 95.009.580, 581 en 583)

	63	125	250	500	1k	2k	4k	8k	R _w (C, C _{tr})
AL-D/S44 and H44	-	36	43	41	41	48	51	-	44 (-1, -2)
AL-D/S50 and H50	-	37	41	45	51	55	58	-	50 (-1, -4)
AL-D/S52 and H52	-	34	43	49	52	61	61	-	52 (-1, -6)



The sound insulation of a door is highly influenced by the way gaps and joints are sealed. Also the quality and composition of the architectural construction play an important role.

Obviously, the doors can be mounted on location by our specialised assembly personnel.





Part of the Schilt beheer groep

Alara-Lukagro bv
Huijgensweg 3
2964 LL Groot-Ammers
P.O. Box 15
2964 ZG Groot-Ammers
The Netherlands
T +31(0)184 66 17 00
F +31(0)184 66 27 21
E info@alara-lukagro.nl
I www.alara-lukagro.nl

