

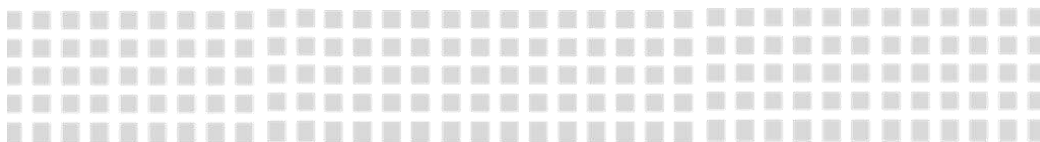
ALKES ALU

wall formwork



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Alkes Wall Alu

Lightweight vertical wall formwork system, made up of modular aluminium panels for residential construction. Its hand-portable design makes assembly easier, improves on-site productivity, and provides a cost-effective, fast, and safe solution.

KEY BENEFITS



Lightweight and hand-portable

Lightweight panels for agile handling on site.



Simple assembly

Fast panel-to-panel connection with clamps.



High strength

Capacity to withstand concrete pressures of up to **90 kN/m²**.



Durable plywood

Phenolic plywood of **15 mm** with outer film of **220 g**.



System on site



Fast assembly

KEY DATA



Weight:
23 kg/m²



Panel heights:
3.00 m
2.70 m
1.50 m



Widths:
from 1.20 m to 0.20 m



Application:
residential building walls

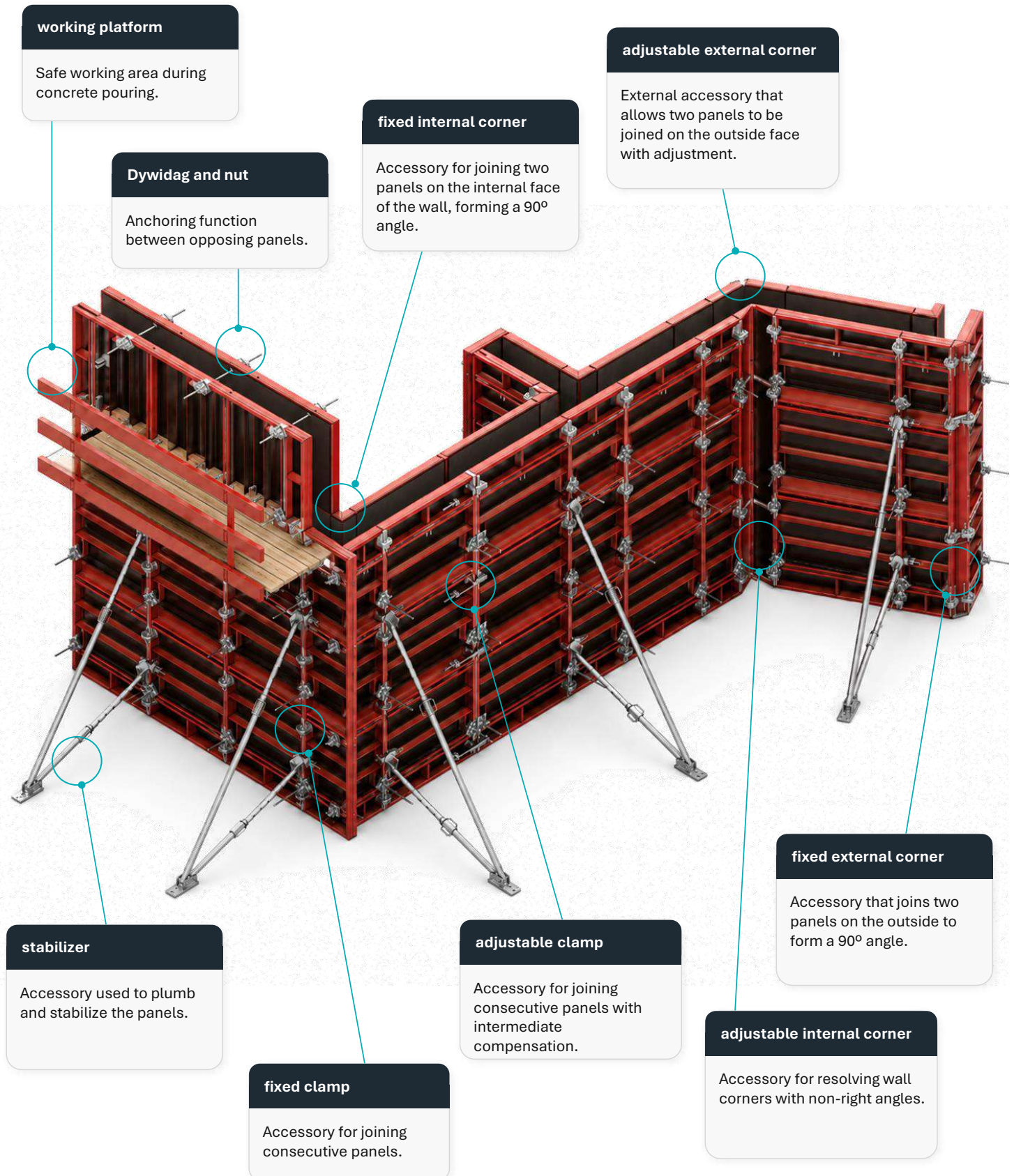
AVAILABLE PANELS



Panels of
3.00/2.70 m high

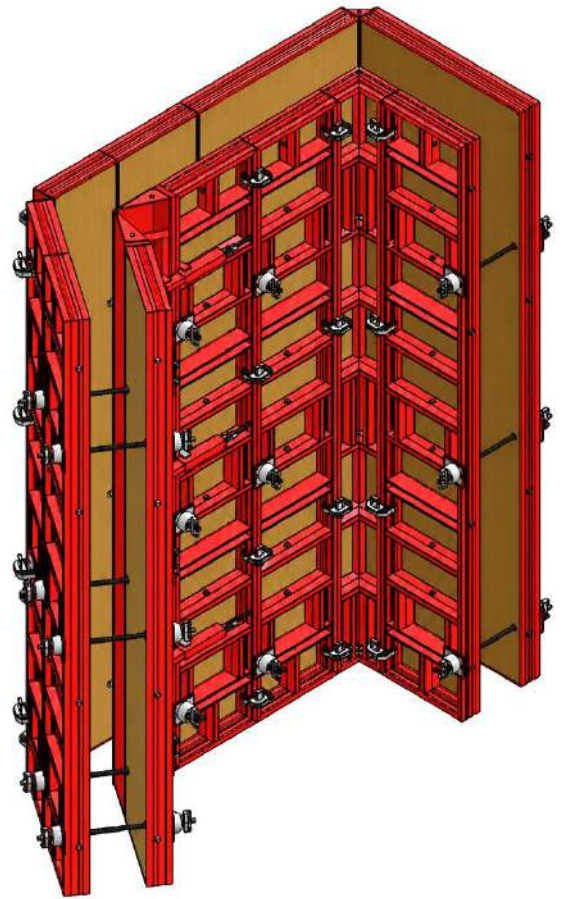
Panels of
1.50 m high

Description



Corner Formation

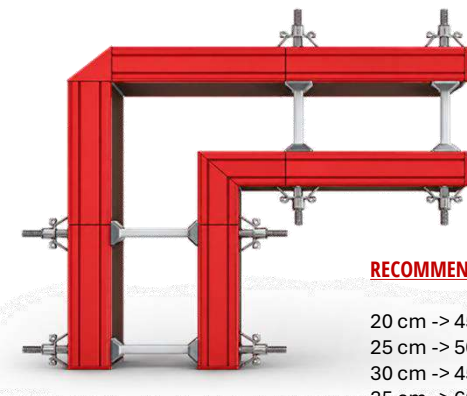
The modularity of the panels allows corners to be formed quickly and accurately, adapting to different wall angles and thicknesses.



A

FIXED EXTERNAL CORNER

For 90° angles.



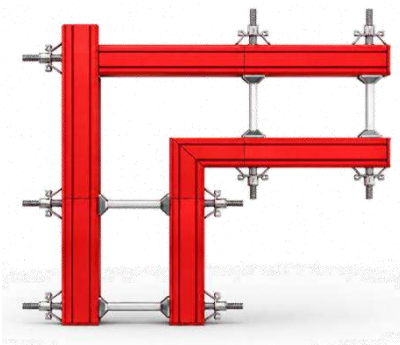
RECOMMENDED WALL THICKNESS

20 cm -> 45 cm panel
25 cm -> 50 cm panel
30 cm -> 45 cm panel
35 cm -> 60 cm panel
40 cm -> 65 cm panel

B

EXTERNAL CORNER WITH UNIVERSAL PANEL

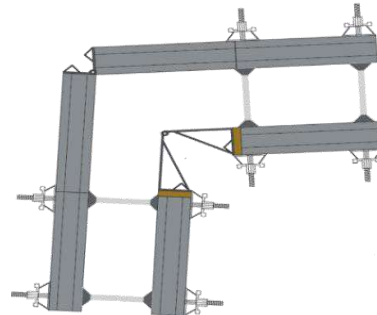
Allows different wall thicknesses to be adjusted at 90° angles



C

ANGLES OTHER THAN 90°

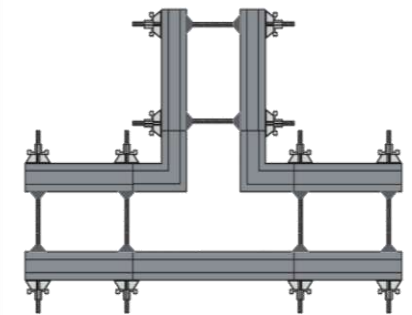
With adjustable internal and external corners.



D

T-CORNERS

With adjustable internal and external corners.



System on site



System panels

01

ALKES ALU WALL PANELS



Versatile format with frames prepared for column formation.



Aluminium panels with 15 mm thick phenolic plywood and 220 g film.

DIMENSIONS (mm)	WEIGHT (Kg)
3000 x 1200	93,1
3000 x 1000	71,5
3000 x 900	65,5
3000 x 850	62,3
3000 x 800	59,3
3000 x 750	56,8
3000 x 700	54,0
3000 x 650	51,1
3000 x 600	48,2
3000 x 550	45,3
3000 x 500	42,3
3000 x 450	39,5
3000 x 400	36,5
3000 x 350	33,5
3000 x 300	30,7
3000 x 250	27,7
3000 x 200	24,75

DIMENSIONS (mm)	WEIGHT (kg)
1500 x 1200	47,2
1500 x 1000	36,3
1500 x 900	33,3
1500 x 850	31,3
1500 x 800	30,3
1500 x 750	28,8
1500 x 700	27,3
1500 x 650	26,8
1500 x 600	24,4
1500 x 550	23,1
1500 x 500	21,4
1500 x 450	21,1
1500 x 400	19,8
1500 x 350	17,2
1500 x 300	16,6
1500 x 250	15,0
1500 x 200	13,0

DIMENSIONS (mm)	WEIGHT (kg)
2700 x 1200	78,2
2700 x 1000	64,7
2700 x 900	62,1
2700 x 850	58,9
2700 x 800	54,3
2700 x 750	51,7
2700 x 700	49,0
2700 x 650	46,4
2700 x 600	43,8
2700 x 550	41,2
2700 x 500	38,6
2700 x 450	36,0
2700 x 400	33,4
2700 x 350	30,8
2700 x 300	28,2
2700 x 250	25,5
2700 x 200	23,0

System corner elements

02

CORNER ELEMENT TYPES



1. Fixed int.



2. Adj. int.



3. Fixed ext.



4. Adj. ext.

3.00 m elements

ITEM	WEIGHT (kg)
Alum. int. 3.00x0.25x0.25	28,7
Adj. int. steel 3.00	79,3
Fixed ext. steel 3.00	20,8
Adj. ext. steel 3.00	17,3

2.70 m elements

ITEM	WEIGHT (kg)
Alum. int. 2.70x0.25x0.25	25,8
Adj. int. steel 2.70	71,4
Fixed ext. steel 2.70	18,7
Adj. ext. steel 2.70	15,6

1.50 m elements

ITEM	WEIGHT (kg)
Alum. int. 1.50x0.25x0.25	14,4
Adj. int. steel 1.50	39,7
Fixed ext. steel 1.50	10,4
Adj. ext. steel 1.50	8,7

System accessories



Alkes fixed clamp Alu

Panel connection and alignment.



Weight: 1.1 kg



Alkes adjustable clamp Alu

Panel connection and alignment with compensation.



Weight: 2.4 kg



Dywidag

15/17 thread.
Permissible load of 90 kN.



Weight: 1.44 kg/m



130 nut

Dimension: 130x54.
15/17 thread.
Permissible load of 90 kN



Weight: 1.2 kg



Alkes reinforced clamp Alu

Panel connection and alignment in vertical heights.



Weight: 3.8 kg/m



Alkes lifting hook Alu

Lifting accessory for moving panels by crane.



Weight: 5.5 kg



L-250 bar anchor Alu

Panel fixing for forming columns and corners.



Weight: 0.18 kg/m



Alkes PVC plug Alu

Sealing of unused holes in the panel.



Weight: 0.001 kg



Alkes bracket/working platform Alu

Edge protection system for access platform.



Weight: 9.0 kg/m



Alkes guardrail Alu

Edge protection.



Weight: 3.5 kg



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