



COMETAL®

ALCOM FORMWORK



TABLE OF CONTENTS

Front cover	pag.1
Table of Contents	pag.2
Alcom twisted board	pag.3
Alcom column panel	pag.4
Alcom adjacent panel	pag.5
Tie holes Alcom panels	pag.6
Alcom angles 1	pag.7
End holes angles 1	pag.8
Alcom angles 2 + profiles	pag.9
End holes formwork angles 2	pag.10
Alcom accessories	pag.11
General Alcom	pag.20



Technical sheet

Alcom formwork

Description / principle drawing / picture	Article number	Weight
Standard Panel 3000 x 1000mm Standard Panel 3000 x 750mm Standard Panel 3000 x 500mm	AWA300100 AWA300075 AWA300050	80,59 kg 65,44 kg 50,30 kg
Standard Panel 2650 x 1000mm Standard Panel 2650 x 750mm Standard Panel 2650 x 500mm	AWA265100 AWA265075 AWA265050	71,87 kg 58,31 kg 44,75 kg
Standard Panel 2500 x 1000mm Standard Panel 2500 x 750mm Standard Panel 2500 x 500mm	AWA250100 AWA250075 AWA250050	69,05 kg 55,91 kg 42,77 kg
Standard Panel 2000 x 1000mm Standard Panel 2000 x 750mm Standard Panel 2000 x 500mm	AWA200100 AWA200075 AWA200050	55,38 kg 44,85 kg 34,32 kg
Standard Panel 1500 x 1000mm Standard Panel 1500 x 750mm Standard Panel 1500 x 500mm	AWA150100 AWA150075 AWA150050	41,71 kg 33,79 kg 25,87 kg
Standard Panel 1000 x 1000mm Standard Panel 1000 x 750mm Standard Panel 1000 x 500mm	AWA100100 AWA100075 AWA100050	30,15 kg 24,24 kg 18,33 kg



Technical sheet

Alcom formwork

Description / principle drawing / picture	Article number	Weight
Column Panel 3000 x 1000mm M50	AKO300100	90,10 kg
Column Panel 3000 x 750mm M50	AKO300075	72,53 kg
Column Panel 3000 x 500mm M50	AKO300050	55,05 kg
Column Panel 2650 x 1000mm	AKO265100	76,72 kg
Column Panel 2650 x 750mm	AKO265075	61,99 kg
Column Panel 2650 x 500mm	AKO265050	47,28 kg
Column Panel 2500 x 1000mm M50	AKO250100	76,18 kg
Column Panel 2500 x 750mm M50	AKO250075	61,29 kg
Column Panel 2500 x 500mm M50	AKO250050	46,41 kg
Column Panel 2000 x 1000mm M50	AKO200100	62,35 kg
Column Panel 2000 x 750mm M50	AKO200075	50,06 kg
Column Panel 2000 x 500mm M50	AKO200050	37,77 kg
Column Panel 1500 x 1000mm M50	AKO150100	48,52 kg
Column Panel 1500 x 750mm M50	AKO150075	38,83 kg
Column Panel 1500 x 500mm M50	AKO150050	29,14 kg
Column Panel 1000 x 1000mm M50	AKO100100	34,69 kg
Column Panel 1000 x 750mm M50	AKO100075	27,58 kg
Column Panel 1000 x 500mm M50	AKO100050	20,49 kg



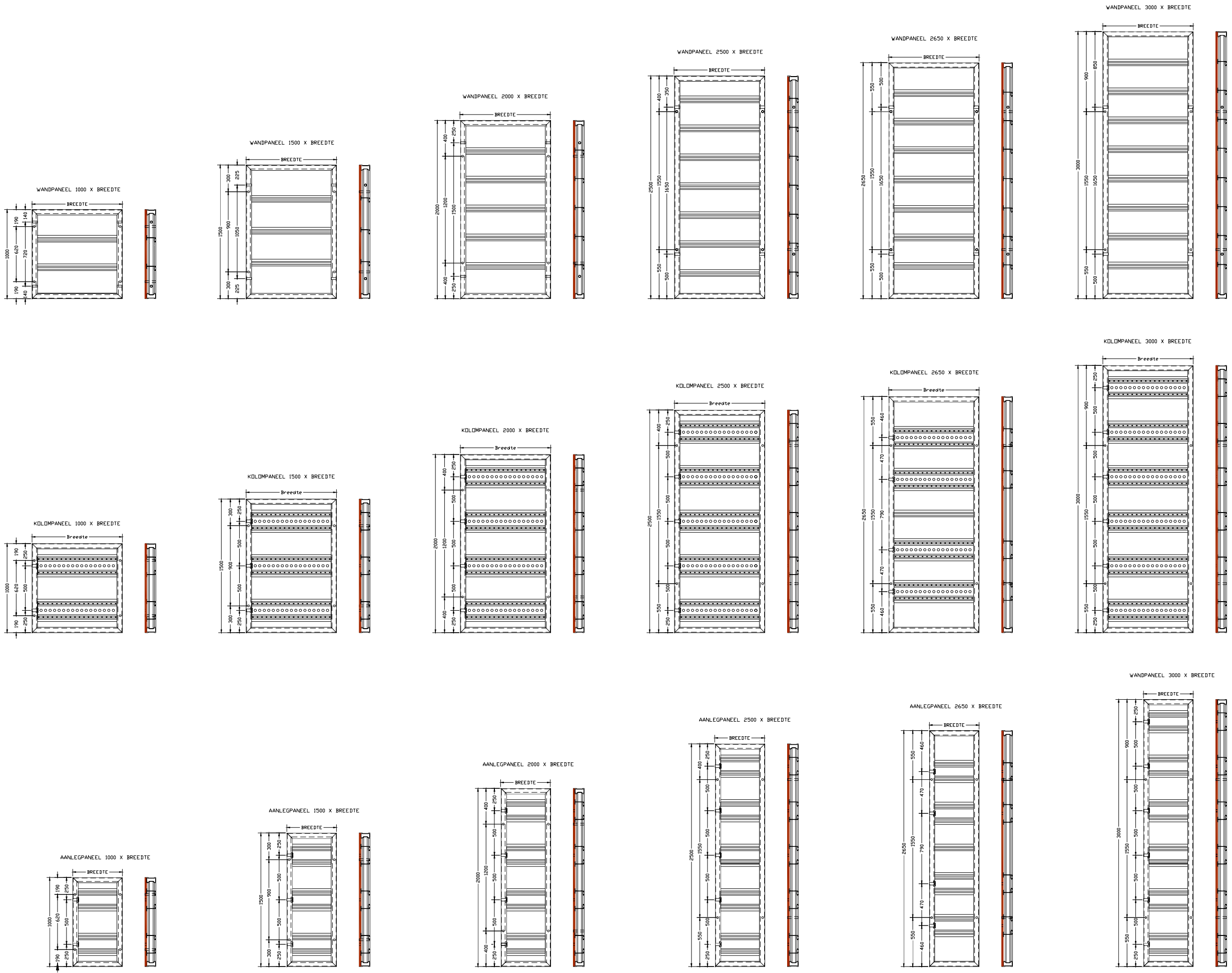
Alcom formwork

Alcom formwork

Description / principle drawing / picture	Article number	Weight
Adjacent Panel 3000 x 550mm M50	AAA300055	58,68 kg
Adjacent Panel 3000 x 500mm M50	AAA300050	55,17 kg
Adjacent Panel 3000 x 450mm M50	AAA300045	51,66 kg
Adjacent Panel 3000 x 400mm M50	AAA300040	48,13 kg
Adjacent Panel 2650 x 550mm	AAA265055	50,31 kg
Adjacent Panel 2650 x 500mm	AAA265050	47,36 kg
Adjacent Panel 2650 x 450mm	AAA265045	44,41 kg
Adjacent Panel 2650 x 400mm	AAA265040	41,44 kg
Adjacent Panel 2500 x 550mm M50	AAA250055	49,50 kg
Adjacent Panel 2500 x 500mm M50	AAA250050	46,51 kg
Adjacent Panel 2500 x 450mm M50	AAA250045	43,53 kg
Adjacent Panel 2500 x 400mm M50	AAA250040	40,52 kg
Adjacent Panel 2000 x 550mm M50	AAA200055	40,32 kg
Adjacent Panel 2000 x 500mm M50	AAA200050	37,86 kg
Adjacent Panel 2000 x 450mm M50	AAA200045	35,39 kg
Adjacent Panel 2000 x 400mm M50	AAA200040	32,91 kg
Adjacent Panel 1500 x 550mm M50	AAA150055	31,14 kg
Adjacent Panel 1500 x 500mm M50	AAA150050	29,20 kg
Adjacent Panel 1500 x 450mm M50	AAA150045	27,26 kg
Adjacent Panel 1500 x 400mm M50	AAA150040	25,30 kg
Adjacent Panel 1000 x 550mm M50	AAA100055	21,95 kg
Adjacent Panel 1000 x 500mm M50	AAA100050	20,52 kg
Adjacent Panel 1000 x 450mm M50	AAA100045	19,10 kg
Adjacent Panel 1000 x 400mm M50	AAA100040	17,67 kg

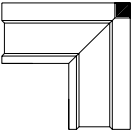
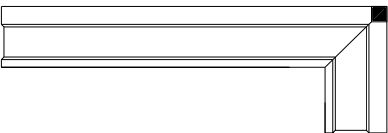
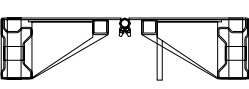
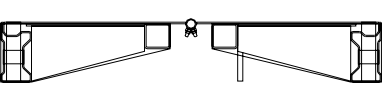


Tie off holes Alcom formwork

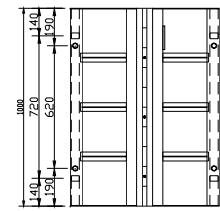


Technical sheet

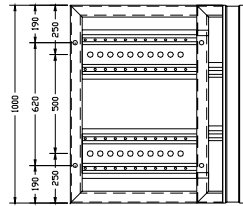
Alcom formwork

Description / principle drawing / picture	Article number	Weight
Corner Panel 3000 x 250 x 250mm Corner Panel 2650 x 250 x 250mm Corner Panel 2500 x 250 x 250mm Corner Panel 2000 x 250 x 250mm Corner Panel 1500 x 250 x 250mm Corner Panel 1000 x 250 x 250mm	ABI300025 ABI265025 ABI250025 ABI200025 ABI150025 ABI100025	45,00 kg 40,00 kg 38,00 kg 31,00 kg 23,00 kg 16,00 kg
		
Corner Column 3000 x 750 x 250mm M50 Corner Column 2650 x 750 x 250mm Corner Column 2500 x 750 x 250mm M50 Corner Column 2000 x 750 x 250mm M50 Corner Column 1500 x 750 x 250mm M50 Corner Column 1000 x 750 x 250mm M50	AHO300 AHO265 AHO250 AHO200 AHO150 AHO100	79,00 kg 68,00 kg 67,00 kg 55,00 kg 42,00 kg 30,00 kg
		
Inner Corner Art. 3000 x 250 x 250mm Inner Corner Art. 2650 x 250 x 250mm Inner Corner Art. 2500 x 250 x 250mm Inner Corner Art. 2000 x 250 x 250mm Inner Corner Art. 1500 x 250 x 250mm Inner Corner Art. 1000 x 250 x 250mm	SBI300025 SBI265025 SBI250025 SBI200025 SBI150025 SBI100025	114,00 kg 104,00 kg 99,00 kg 77,00 kg 58,00 kg 41,00 kg
		
Outer Corner Art. 3000 x 374 x 374mm Outer Corner Art. 2650 x 374 x 374mm Outer Corner Art. 2500 x 374 x 374mm Outer Corner Art. 2000 x 374 x 374mm Outer Corner Art. 1500 x 374 x 374mm Outer Corner Art. 1000 x 374 x 374mm	SBU300025 SBU265025 SBU250025 SBU200025 SBU150025 SBU100025	161,00 kg 142,00 kg 130,00 kg 108,00 kg 82,00 kg 55,00 kg
		

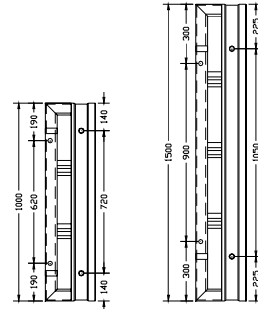




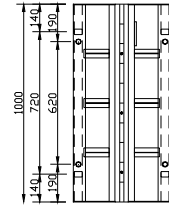
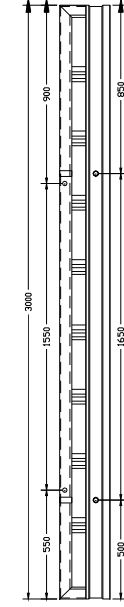
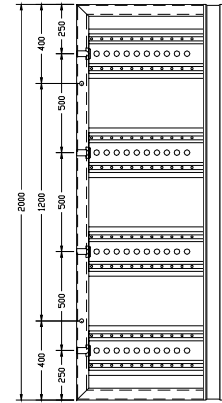
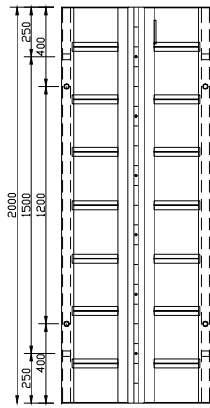
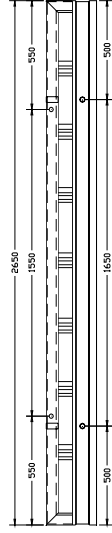
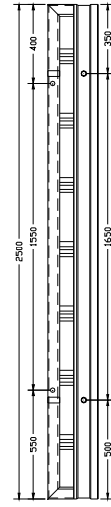
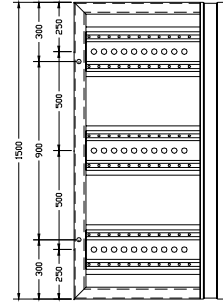
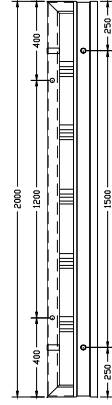
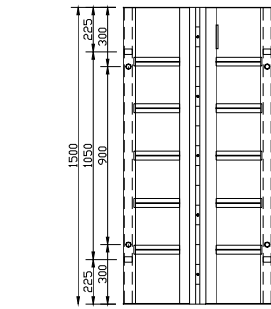
Scharnierende buitenhoeken 374mm



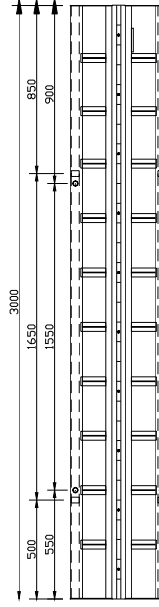
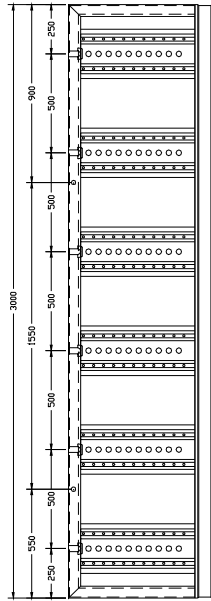
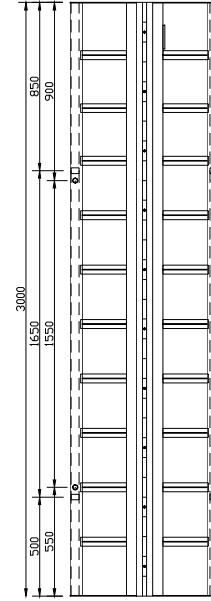
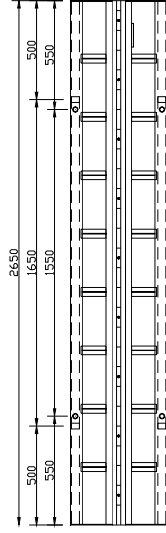
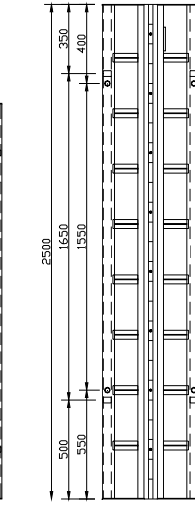
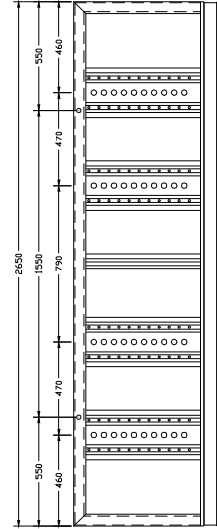
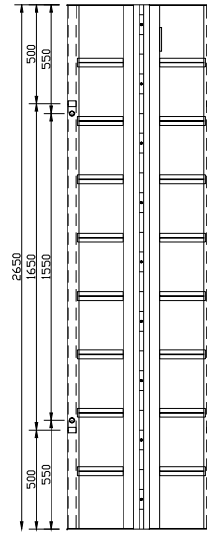
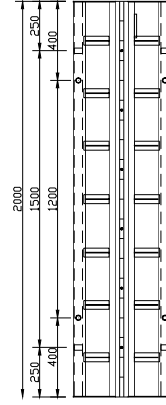
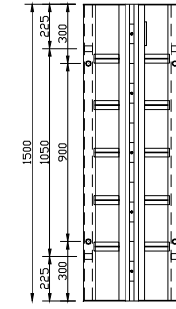
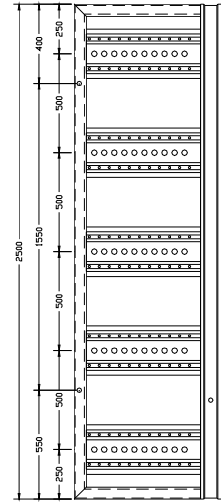
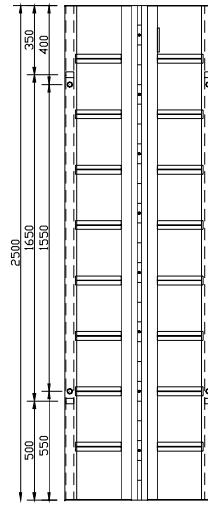
Hoekkolommen



Binnenhoeken

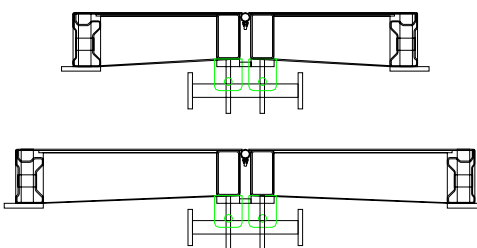
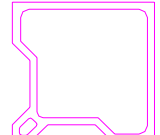
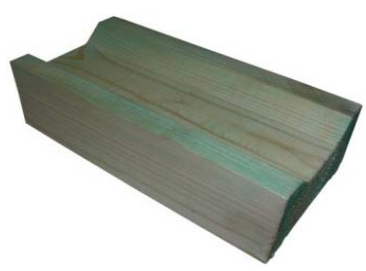


Scharnierende binnenhoeken



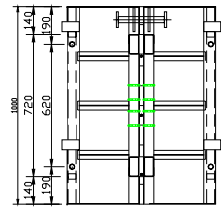
Technical sheet

Alcom formwork

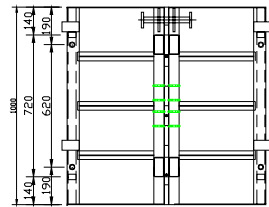
Description / principle drawing / picture	Article number	Weight
Decoffering Corner 3000 x 1000mm Decoffering Corner 3000 x 750mm Decoffering Corner 2650 x 1000mm Decoffering Corner 2650 x 750mm Decoffering Corner 2500 x 1000mm Decoffering Corner 2500 x 750mm Decoffering Corner 2000 x 1000mm Decoffering Corner 2000 x 750mm Decoffering Corner 1500 x 1000mm Decoffering Corner 1500 x 750mm Decoffering Corner 1000 x 1000mm Decoffering Corner 1000 x 750mm	OKH300100 OKH300075 OKH265100 OKH265075 OKH250100 OKH250075 OKH200100 OKH200075 OKH150100 OKH150075 OKH100100 OKH100075	208,00 kg 182,00 kg 182,00 kg 172,00 kg 171,00 kg 163,00 kg 143,00 kg 123,00 kg 109,00 kg 94,00 kg 76,00 kg 65,00 kg
		
Outer Corner Profile Alu. 3000mm Outer Corner Profile Alu. 2650mm Outer Corner Profile Alu. 2500mm Outer Corner Profile Alu. 2000mm Outer Corner Profile Alu. 1500mm Outer Corner Profile Alu. 1000mm	ABP300 ABP265 ABP250 ABP200 ABP150 ABP100	25,28 kg 22,42 kg 21,19 kg 16,85 kg 12,76 kg 8,67 kg
		
Cometal Compensator 3000mm 	HCA300	6,30 kg



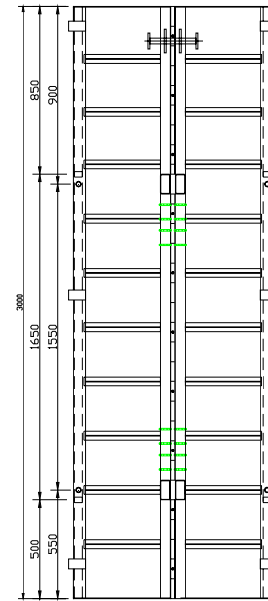
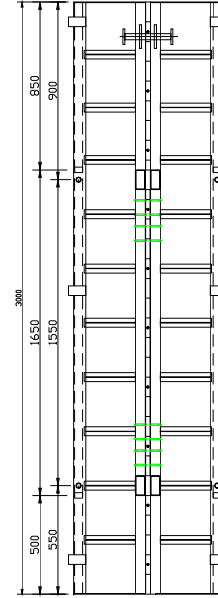
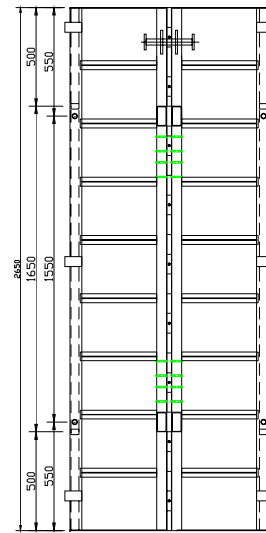
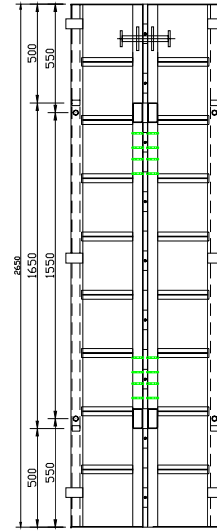
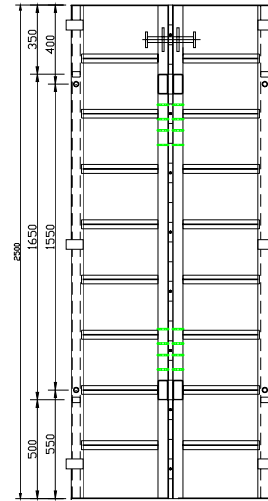
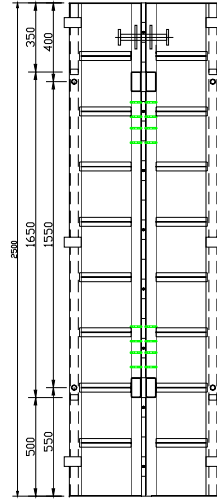
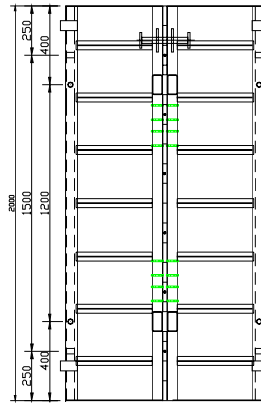
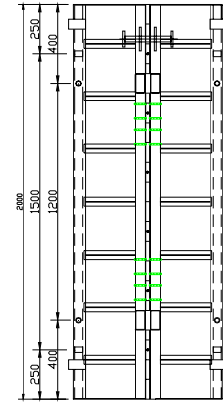
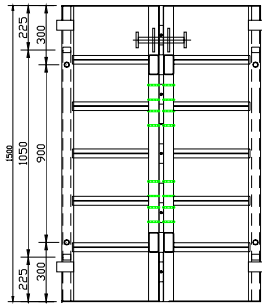
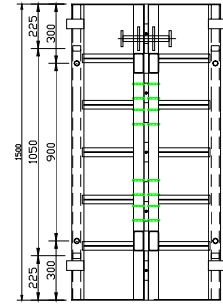
Tie off Holes Decoffering Corners Alcom



Dntkistingshoeken 750mm







Dntkistingshoeken 1000mm



Technical sheet





Alcom formwork

Article number	Description / principle drawing / picture	Weight
KLE001	<p>RAPID ALIGNMENT COUPLER RIGHT</p> 	3,00 kg
KLE002	<p>RAPID ALIGNMENT COUPLER LEFT</p> 	3,00 kg
KLE003	<p>COMPENSATION COUPLER SHORT</p> 	3,37 kg
KLE004	<p>COMPENSATION COUPLER LONG</p> 	4,61 kg



Technical sheet





Alcom formwork

Article number	Description / principle drawing / picture	Weight
KLE005	<p>VERTICAL ALIGNMENT COUPLER</p> 	6,55 kg
KLE006	<p>VERTICAL COMPENSATION COUPLER</p> 	5,38 kg
KLE007	<p>CORNER COUPLER</p> 	5,78 kg
KLE008	<p>BASE COUPLER</p> 	1,70 kg



Technical sheet


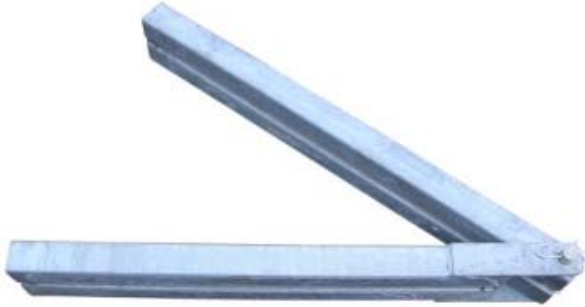

Alcom formwork

Article number	Description / principle drawing / picture	Weight
KLE009	ATTACHMENT WEDGE CPL 	0,63 kg
KLE010	TIE ROD COUPLER DW 15 	0,34 kg
KLE020	TIE ROD COUPLER DW 15 ALCOM CPL 	1,16 kg
PBA050 PBA075 PBA100 PBA125 PBA150 PBA175 PBA200	COMPENSATIONBEAM 0,50M COMPENSATIONBEAM 0,75M COMPENSATIONBEAM 1,00M COMPENSATIONBEAM 1,25M COMPENSATIONBEAM 1,50M COMPENSATIONBEAM 1,75M COMPENSATIONBEAM 2,00M 	5,43 kg 7,71 kg 9,99 kg 12,38 kg 14,66 kg 16,94 kg 19,22 kg



Technical sheet

Alcom formwork

Article number	Description / principle drawing / picture	Weight
<p>PBU050 PBU075 PBU100 PBU125 PBU150 PBU175 PBU200</p>	<p>COMPENSATIONBEAM 0,50M COMPENSATIONBEAM 0,75M COMPENSATIONBEAM 1,00M COMPENSATIONBEAM 1,25M COMPENSATIONBEAM 1,50M COMPENSATIONBEAM 1,75M COMPENSATIONBEAM 2,00M</p> 	<p>4,50 kg 6,70 kg 8,89 kg 11,14 kg 13,34 kg 15,53 kg 17,73 kg</p>
<p>PSC075 PSC100 PSC125 PSC150</p>	<p>ART. COMP TUBE 0,75 X 0,75M ART. COMP TUBE 1,00 X 1,00M ART. COMP TUBE 1,25 X 1,25M ART. COMP TUBE 1,50 X 1,50M</p> 	<p>14,58 kg 18,98 kg 23,42 kg 27,81 kg</p>
<p>SPA015035 SPA015055 SPA015075 SPA015100 SPA015125 SPA015150 SPA015175 SPA015200</p>	<p>TIE ROD 15MM 0,35M 85kN TIE ROD 15MM 0,55M 85kN TIE ROD 15MM 0,75M 85kN TIE ROD 15MM 1,00M 85kN TIE ROD 15MM 1,25M 85kN TIE ROD 15MM 1,50M 85kN TIE ROD 15MM 1,75M 85kN TIE ROD 15MM 2,00M 85kN (other length also available, up to 6m)</p> 	<p>0,53 kg 0,83 kg 1,13 kg 1,50 kg 1,88 kg 2,25 kg 2,63 kg 3,00 kg</p>



Technical sheet





Alcom formwork

Article number	Description / principle drawing / picture	Weight
MOE015002	WING NUT BRACKET 15MM D.100MM 	0,65 kg
MOE015004	COMBINATION PLATE 15MM 	1,42 kg
MOE015005	HEX NUT WITH PLATE WASHER 15MM 	0,50 kg
MOE015008	HEX COUPLER 15MM L: 105MM 	0,44 kg



Technical sheet

Alcom formwork

Article number	Description / principle drawing / picture	Weight
MOE015011	<p data-bbox="624 293 975 327"><i>COLUMN ADJUSTER 15MM</i></p> 	0,76 kg
MOE015014	<p data-bbox="624 752 919 786"><i>COUNTERPLATE ALU.</i></p> 	0,10 kg
HIJ001	<p data-bbox="624 1211 1054 1245"><i>CRANE LIFTING HOOK 750KG CE</i></p> 	9,30 kg
HIJ011	<p data-bbox="624 1671 1174 1704"><i>CRANE LIFTING HOOK ALCOM 1500KG CE</i></p> 	9,40 kg



Technical sheet




Alcom formwork

Article number	Description / principle drawing / picture	Weight
VEI001	ALU. BRACKET STD. 643MM 	5,85 kg
RIC001	PUSH & PULL PROP SINGLE 230 	18,80 kg
RIC002	PUSH & PULL PROP SINGLE 85 	8,00 kg
RIC003	PUSH & PULL PROP SINGLE 160 	14,40 kg



Technical sheet





Alcom formwork

Article number	Description / principle drawing / picture	Weight
RIC004	<p data-bbox="624 291 1069 324"><i>PUSH & PULL PROP SINGLE LONG</i></p> 	27,50 kg
RIC005	<p data-bbox="624 1075 1101 1108"><i>PUSH & PULL PROP DOUBLE 160-230</i></p> 	33,85 kg
RIC006	<p data-bbox="624 1612 1085 1646"><i>PUSH & PULL PROP DOUBLE 85-160</i></p> 	34,00 kg



Technical sheet

Alcom formwork

Article number	Description / principle drawing / picture	Weight
RIC102	BRACE CONNECTOR CPL. 	2,30 kg
RIC105	HOR. BRACE CONNECTOR CPL. 	3,60 kg
RIC107	VER. BRACE CONNECTOR 0,80M CPL. 	8,00 kg
TOE001	PRESSION PLATE 	1,60 kg
TOE005	RAISED TIE HOLDER 	3,60 kg



ALCOM SYSTEM FORMWORK: MODULAR FORMWORK IN ALUMINIUM

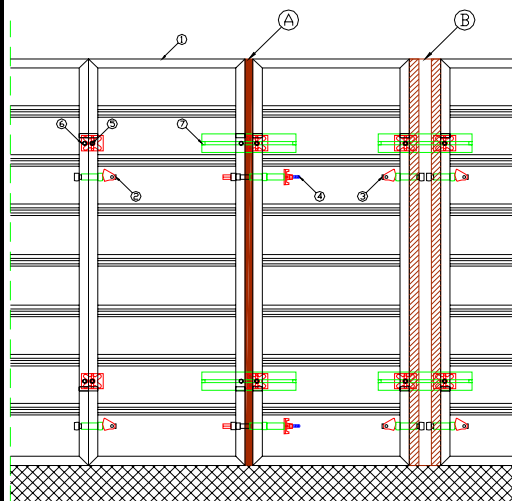
The modular ALCOM formwork from COMETAL is a system of formwork that can be used quickly and flexibly for all your concrete projects. An ALCOM panel is made from a high quality aluminium framework with a top quality concrete multiplex from exotic hardwood, provided with a coating of 450gr/m². Thanks to the aluminium frames the panels are sufficiently light to handle manually and adjustment using a construction crane is unnecessary. The specific design of the COMETAL-circumference profile of the panels and the corresponding connection clasps make it possible to connect the formwork elements in all directions to each other, which results in a highly-flexible formwork system. Panels can be clasped perfectly vertically on each other by means of an extended tensioner clasp and this to a height of 10 metres or more, taking account of a pouring speed of 1 m/hour. Lifts to 40 cm are carried out using an extended variable tensioning clasp. Fitted pieces of 15 cm or greater are realised with profiled wooden beams. Fitted pieces smaller than 15 cm are realised with a variable tensioning clasp. The ALCOM formwork panels provide a more than sufficient finishing level to the concrete for the majority of common applications in construction such as cellar walls, quay walls, partitions in infrastructure works, etc.

Specifications:

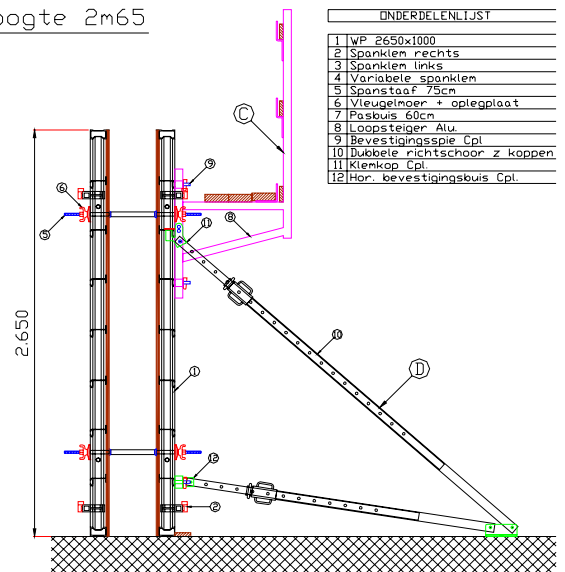
- resistance 80 kN/m²
- weight: +/- 25kg/m²
- return: +/- 0.3 man hours per m²
- use of concrete multiplex: +/- 200 times in relation to the maintenance
- corner use: wall thickness adjustable per 10 mm, thanks to patented adjusting nut.

[drawing: Detailed drawing of Alcom-formwork with a height of 2m65]

Detailtekeningen Alcombekisting met hoogte 2m65



- (A) Vulling < 150mm, enkel houten vulling is door de aannemer te voorzien.
 (B) Vulling > 150mm, enkel houten plaat is door de aannemer te voorzien.



- (C) Loopsteiger te plaatsen op de ± 2m
 (D) Dubbele richtschoor te plaatsen op de ± 3m

ONDERDELENLIJST	
1	WP 2650x1000
2	Spanklem rechts
3	Spanklem links
4	Variabele spanklem
5	Spanstaaf 79cm
6	Vleugelmoer + oplegplaat
7	Rasbuis 60cm
8	Loopsteiger Alu.
9	Bevestigingsple Cpl
10	Dubbele richtschoor z koppen
11	Klenkop Cpl.
12	Hor. bevestigingsbuis Cpl.

