www.ringer.at/en

Alu Master

LET'S BUILD

RINGER
SCAFFOLDING + FORMWORK

HEADQUATERS IN REGAU

Our head office and the heart of the company is the 111.000 m² manufacturing and logistic facility based in Regau, Austria. Incorporating worldwide distribution to over 50 countries and providing a centre of excellence for research and development makes RINGER a formidable formwork and scaffolding manufacturer.

With subsidiaries in Slovenia, Croatia, Hungary, Czech Republic and Germany, RINGER provides first class design solutions and on-site supervision for the most complex of projects.

Supporting international customers worldwide makes RINGER the ideal partner for all construction needs.

Your reliable partner for scaffolding and formwork.
RINGER quality since 1944:

- Flexible and quick solutions
- Absolute reliability
- Personal consultation on site
- Fast customised solutions
- We keep our promises
- With absolute passion
- A real family-run company

What are we waiting for?
Let's build.

ÖSTERREICHISCHER MUSTERBETRIEB
GÜTEZEICHEN
CERTIFIED QUALITY
Nr. 33.231
AUSTRIA

20230428

Master wall formwork for your construction site

RINGER WALL FORMWORK SYSTEMS ARE A MATCH FOR THE TOUGHEST APPLICATIONS. THE MASTER SYSTEM, AVAILABLE IN STEEL AND ALUMINIUM, SAVES RESOURCES, TIME AND MONEY ON THE CONSTRUCTION SITE.

Alu Master System

- Extensive variety of panels
- Crane independent forming
- Efficient and flexible
- Compatible with Steel Master and Master PRO
- Easy and cost-efficient handling

ALU MASTER

A LIGHTWEIGHT FORMWORK SYSTEM, FOR SECURE AND QUICK HANDLING EVEN WITHOUT CRANE.

Light weight and convenient carry handles ensure safe and particular quick handling of the Alu Master formwork even without crane.

High quality design of the powder coated profile allows a fresh concrete pressure of up to 60 kN/m² and guarantees trouble free and quick cleaning.

Protector corners prevent the fracture of welded seams, increase stability and simplify the stripping.

To exclude the possibilty of confusion of the panels, we also offer this formwork system in all RAL colours. In addition, panels are serially engraved with sizes.

Product Features
ALU MASTER

> Performance

- 60 kN/m² fresh concrete pressure

> Versatile

- Panel height: 0,90m / 1,35m / 1,50m / 2,70m / 3,00m
- Panel width: 0,25m / 0,30m / 0,45m / 0,50m
  0,55m / 0,60m / 0,75m / 0,90m

> Light weight

- Reduced workload in hand-set forming

> Crane independent

> Compatible with Steel Master

> Stable and ergonomic geometry

- Closed hollow profile from aluminium
- High quality powder coating
- Easy cleaning
- Simple handling due to practical grips
- Innovative protector corner
- Reinforced frame-profile

> Distinctive

- Engraved panel dimensions
- Engraved company name as an option
- Available in every RAL colour desired

Quality is in the details
ALU MASTER

Reinforced hollow profile
The Alu Master panel is designed as a dimensionally stable, torsion-resistant hollow chamber profile. It is extremely light-weight and durable. The cross-strut provides additional stiffening and increases robustness. Alu Master is designed for a maximum fresh concrete pressure of 60kN/m².

Improved handling
The carry handles are welded to the frame profile and cross profile thus ensuring safe and comfortable handling.

Unmistakeable
The panel size is serially engraved on the top and bottom side, and enables prompt identification. Your company name can be engraved on request.

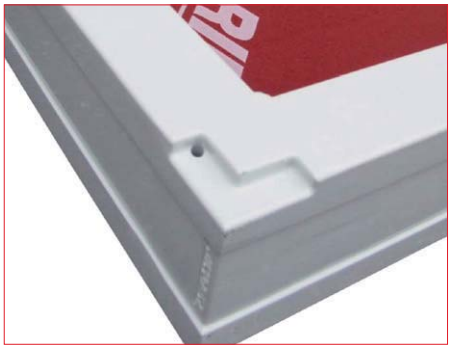
Customizability
Alu Master aluminium frames are available in every RAL- colour on request. Which is why it is almost impossible to mix up the panel at the jobsite.

Manual connection

The robust forged steel uni clamp makes the perfect inter-panel connection. Due to integrated clamp wedge, it can be mounted and locked single-handedly.

Aligning clamp

With its aligning effect, the aligning clamp ensures perfekt connection of the panels. In addition it enables timber and compensation infills up to 10cm.



Corner protector

The protector corner allows easy leverage, prevents tearing of weld seams, increases structural stability and simplifies dismantling.

Effortless forming/stripping

The slot in the protector corner allows easy set up and stripping of the formwork using an alignment tool.

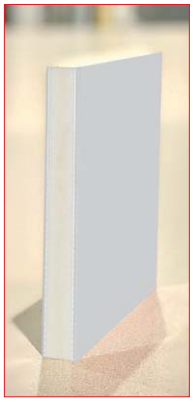
Plywood suitable for
for perfect concreting results

Phenolic coated plywood

- Sturdy multi-layered board of cross-glued birch wood, 18mm thick
- Double-side phenolic resin sealing [220g/m²]
- Edges sealed with water resistant varnish
- Smooth surface for high quality fair-faced concrete finish
- Excellent strength to weight ratio
- Simple recycling

Plastic coated plywood

- Sturdy multi-layered board from cross-glued birch wood, 18mm thick
- Double-side plastic coating [1.8mm]
- Resistant to chemicals and UV
- Easy nailing, no fragmentation
- Maximum abrasion resistance, no jolting marks
- No onion effect & no embrittlement
- No moisture penetration of the wood core
- Simple recycling



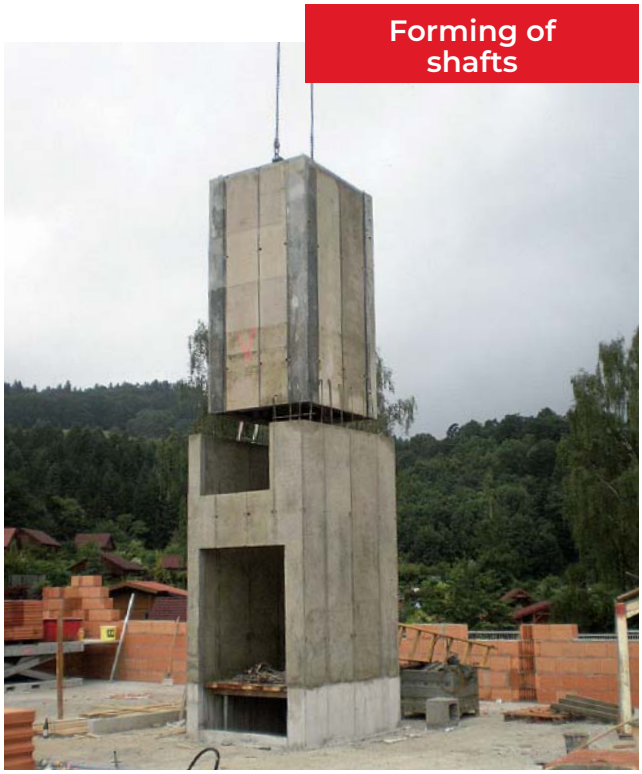
Solid-plastic plywood (ALKUS)

- Alkus solid plastic plywood, 19mm thick
- No moisture absorption
- More than 1000 applications
- No shrinking, swelling or rotting
- No rippling or discolouration of the concrete
- High UV resistance and abrasion resistance
- High resistance to acids, alkalis and chemicals
- Easy nailing & simple repairs
- Perfect fair-faced concrete quality
- Easy and fast cleaning using the high pressure cleaner

RINGER QUALITY SINCE 1944

LET'S BUILD

Comprehensive configuation
Flexible in use



Forming of shafts

Small jobsites

Ideal with Master Stripping Corner

Hall walls, retaining walls

Fast forming with and without crane

Foundations, slab beams, parapets

Circular tanks

Master Formwork combined with
Master Circular Forming Plates

Columns

Forming columns with Uni Panels

Safety

Panel heights up to 3 meter

Concreting platforms, props and brace
frames complete the product portfolio

Article list
Alu Master

Panel height 3.00m (plastic coated plywood)

Art. No.	Description	m²	weight
10002072	Panel 300/75	2.25m²	68.50 kg
10002071	Panel 300/60	1.80m²	63.50 kg
10002070	Panel 300/55	1.65m²	60.00 kg
10002069	Panel 300/50	1.50m²	59.00 kg
10002068	Panel 300/45	1.35m²	55.00 kg
10002067	Panel 300/30	0.90m²	43.50 kg
10002066	Panel 300/25	0.75m²	39.00 kg
10002075	Uni-Panel 300/75	2.25m²	75.00 kg

Art. No.	Description	weight
10002735	Outside corner 300	43.50 kg
10003117	Inside corner 300/30/30	57.00 kg
10002074	Hinged outside corner 300/6/6	65.50 kg
10003119	Hinged inside corner 300/30/30	143.50 kg
10002051	Stripping corner 300/30/30	225.00 kg
10002277	Compensation panel 300/10	17.00 kg
10002276	Compensation panel 300/5	16.00 kg
10002275	Compenation panel 300/3	13.50 kg
10002081	Compensation panel 300/2	11.80 kg

Panel height 2.70m (plastic coated plywood)

Art. No.	Description	m²	weight
10001172	Panel 270/90	2.43m²	69.50 kg
10001171	Panel 270/75	2.02m²	60.00 kg
10001170	Panel 270/60	1.62m²	51.00 kg
10004137	Panel 270/55	1.48m²	47.00 kg
10004136	Panel 270/50	1.35m²	46.00 kg
10004135	Panel 270/45	1.22m²	43.00 kg
10004134	Panel 270/30	0.81m²	33.00 kg
10004133	Panel 270/25	0.68m²	30.00 kg
10004142	Uni-Panel 270/75	2.02m²	66.00 kg

Art. No.	Item	weight
10003792	Outside corner 270	38.00 kg
10004141	Inside corner 270/30/30	49.00 kg
10000230	Inside corner 270/25/25	41.00 kg
10000427	Hinged outside corner 270/6/6	57.00 kg
10000426	Hinged inside corner 270/30/30	124.00 kg
10004356	Stripping corner 270/30/30	202.00 kg
10004009	Stripping panel 270/10	49.50 kg
10003795	Compensation panel 270/10	15.00 kg
10003794	Compensation panel 270/5	14.00 kg
10003968	Compensation panel 270/3	11.20 kg
10003967	Compensation panel 270/2	10.70 kg

Panel height 1.50m (plastic coated plywood)

Art. No.	Description	m²	weight
10003125	Panel 150/90	1.35m²	42.50 kg
10003124	Panel 150/75	1.13m²	37.50 kg
10003126	Panel 150/60	0.90m²	32.50 kg
10003123	Panel 150/55	0.83m²	31.00 kg
10003122	Panel 150/50	0.75m²	29.00 kg
10003121	Panel 150/45	0.68m²	27.50 kg
10003120	Panel 150/30	0.45m²	22.50 kg
10000168	Panel 150/25	0.38m²	20.50 kg
10000171	Uni-Panel 150/75	1.13m²	41.00 kg

Art. No.	Item	weight
10002084	Outside corner 150	22.00 kg
10003129	Inside corner 150/30/30	29.00 kg
10002812	Hinged outside corner 150/6/6	33.00 kg
10002813	Hinged inside corner 150/30/30	72.50 kg
10002085	Compensation panel 150/10	10.00 kg
10002086	Compensation panel 150/5	8.00 kg

Panel height 1.35m (plastic coated plywood)

Art. No.	Description	m²	weight
10004343	Panel 135/90	1.24m²	38.00 kg
10004342	Panel 135/75	1.01m²	33.00 kg
10000988	Panel 135/60	0.81m²	27.00 kg
10000987	Panel 135/55	0.74m²	25.00 kg
10000986	Panel 135/50	0.67m²	23.00 kg
10000985	Panel 135/45	0.61m²	21.00 kg
10002690	Panel 135/40	0.54m²	20.00 kg
10000984	Panel 135/30	0.40m²	18.00 kg
10000983	Panel 135/25	0.34m²	16.00 kg
10000193	Uni-Panel 135/75	1.01m²	39.00 kg

Art. No.	Description	weight
10003498	Inside corner 135	20.00 kg
10004345	Inside corner 135/30/30	25.00 kg
10000697	Hinged outside corner 135/6/6	26.00 kg
10000428	Hinged Inside corner 135/30/30	68.00 kg
10004357	Stripping corner 135/30/30	107.00 kg
10004033	Stripping panel 135/10	26.00 kg
10001397	Compensation panel 135/10	8.50 kg
10001396	Compenation panel 135/5	7.50 kg

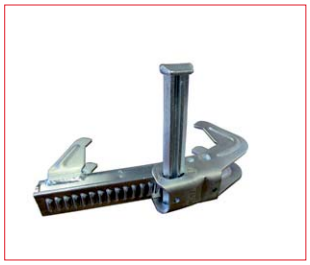
Panel height 0.90m (plastic coated plywood)

Art. No.	Description	m²	weight
10004140	Panel 90/90	0.81m²	27.00 kg
10004139	Panel 90/75	0.68m²	23.00 kg
10004138	Panel 90/60	0.54m²	18.50 kg
10001177	Panel 90/55	0.50m²	19.00 kg
10001176	Panel 90/50	0.45m²	17.00 kg
10001175	Panel 90/45	0.41m²	16.00 kg
10001174	Panel 90/30	0.27m²	13.00 kg
10001173	Panel 90/25	0.23m²	12.00 kg
10000171	Uni-Panel 90/75	0.68m²	28.00 kg

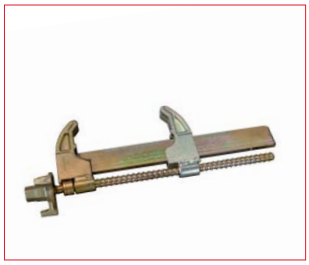
Art. No.	Description	weight
10001860	Outside corner 90	13.90 kg
10001112	Inside corner 90/30/30	18.00 kg
10000232	Inside corner 90/25/25	16.00 kg
10000695	Hinged outside corner 90/6/6	20.00 kg
10000696	Hinged inside corner 90/30/30	48.00 kg
10004034	Stripping panel 90/10	18.00 kg
10003950	Compensation panel 90/10	5.50 kg
10001398	Compensation panel 90/5	5.00 kg

Accessories
Alu Master

Uni clamp
friction locked connection
with a hammer blow

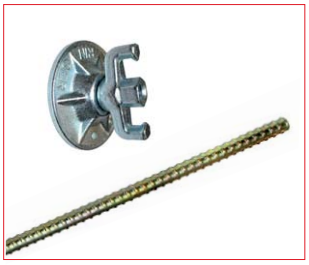


Master aligning clamp
friction locked connection
up to 10cm opening width



Master adjustable clamp
up to 20cm

Master stop end coupler
up to 40cm wall thickness



Combi plate DW15 and
Tie rod DW15

Spacer tube
waterproof

Foundation clamp and
Perforated tape for foundation formwork

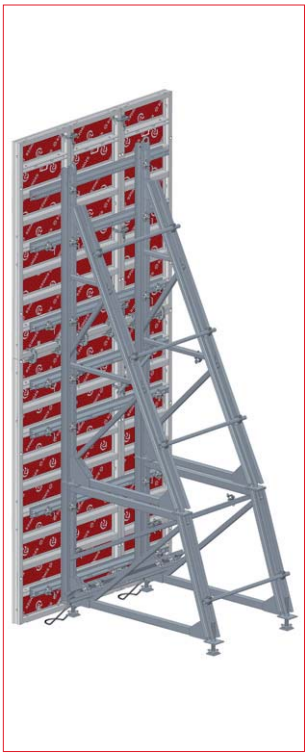
Master crane hook
Load capacity up to 1.800 kg

Push-Pull Prop Size 1/2/G
with extension up to 10m
formwork height

Mounting Push-Pull Prop
mounted with RS-Clamp to
the functional profle

Concreting bracket
with railing

Concreting Platform „L“
width 2.70m



Brace frame „S“
incl. attachable frame up to 6m

Waler 100 and **150**

Master uni fixing bolt and **RS-clamp**

UNI-Container
stackable, with or without flap (800x1.200mm)

Brace Frame „L“
up to 4.5m

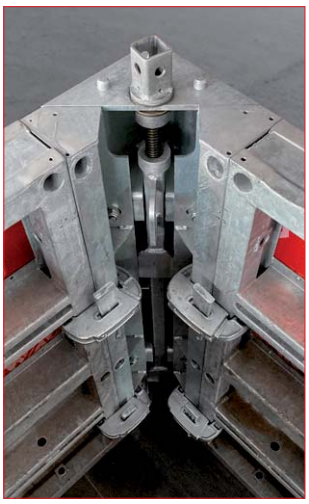
Pallet
up to 4 pallets stackable on top of each other

Accessory box
stackable, e.g. also with pallet for formwork

Compensation panels
2 / 3 / 5 / 10cm

Hinged corners
for inside and outside

Circular forming plate



Stripping corner
for rational internal forming of shafts

Reference projects

Recycling center Vöcklabruck

The retaining wall was formed using Alu Master panels with Alkus plywood

Water protection basin Packsattel

Individually powder coated Alu Master panels equipped with Alkus plywood

Office building refurbished

Alu Master equipped with plastic plywood- also suitable for inclined applications

Family home in Mondsee

Efficient forming with and without crane

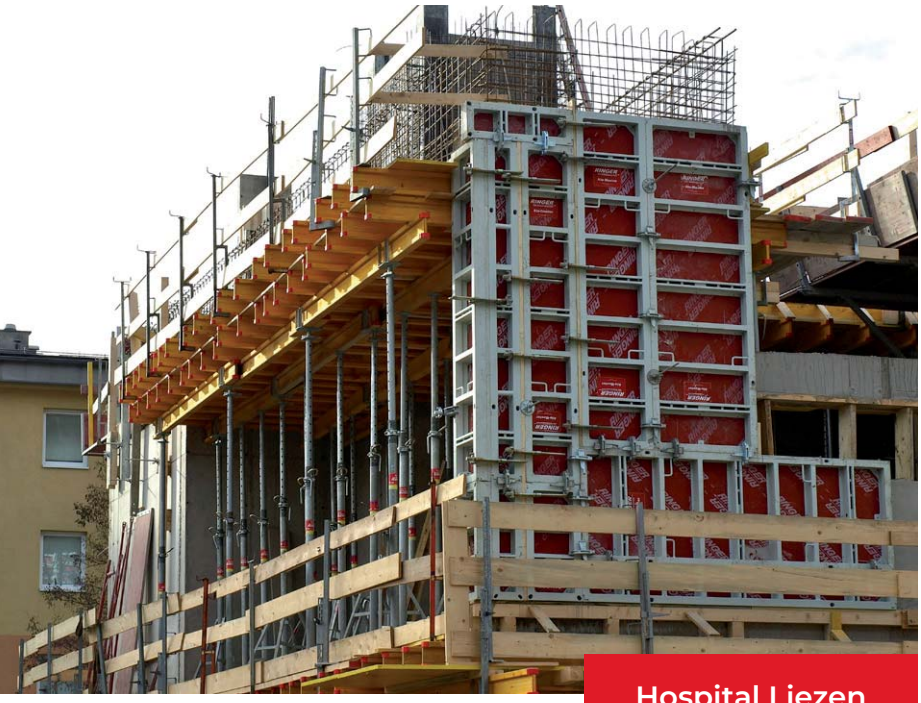
Reference projects

Circular tank Kundl

In combination with the Master circular forming plate, round tanks are quickly formed. In the picture Alu Master is combined with Steel Master.

Construction project Kritzendorf

Single sided forming with RINGER brace frames.



Hospital Liezen

Alu Master panels can be combined as desired, which makes them readily adaptable to any layout.

Basement Braunau

Basement forming done the easy way. Alu Master and Steel Master panels match each other perfectly.

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