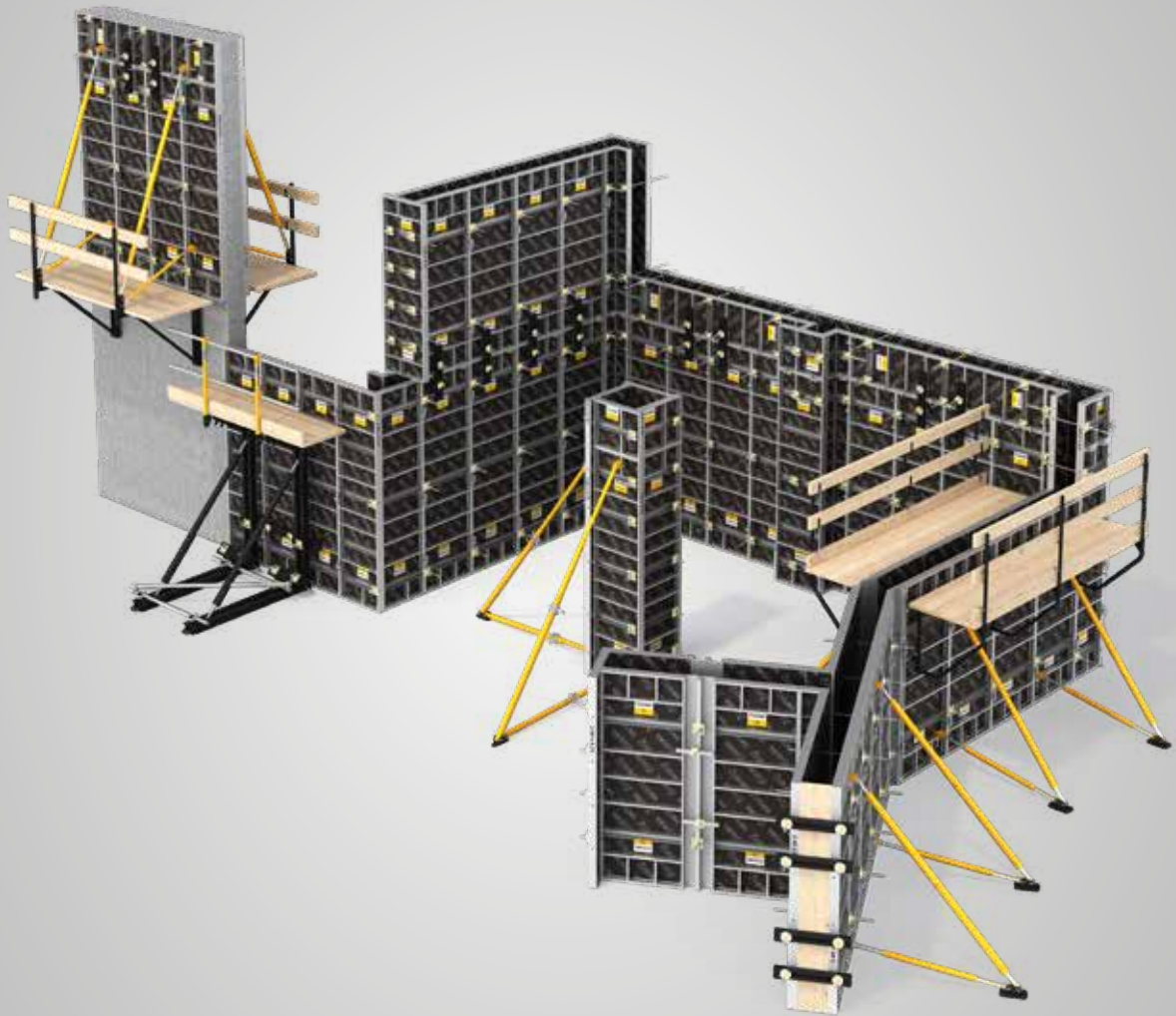




LGW

LIGHTWEIGHT PANEL FORMWORK

The lightweight yet sturdy
multifunctional formwork





ULMA
LGW
60 kN/m²

ULMA
LGW
60 kN/m²

1.20 x 0.75

ULMA
LGW
60 kN/m²

ULMA
LGW
60 kN/m²

ULMA
LGW
60 kN/m²

ULMA
LGW
60 kN/m²

ULMA
LGW
60 kN/m²

ULMA
LGW
60 kN/m²

5



LGW lightweight panel formwork is a versatile system for the solution of any vertical geometry in building construction.

Remarkably strong and durable panel design with galvanised or painted frames, can be manually handled or crane-assisted.



Speed up the construction workflow with a lighter and multifunctional panel formwork.

Lightweight yet robust

The new LGW offers the best balance between lightness and strength, but goes even further by being up to 10% lighter than other similar systems, while maintaining the highest standards of strength (60 kN/m²) and durability thanks to its galvanised (or painted) frame and reinforced corners.

Speed up workflow

The simple and quick assembly operations by using easy-to-use clamps and the reduced number of tying points and joints between panels thanks to the optimised size panels, makes the LGW a leader when it comes to wall and column construction speed.

It can do everything

A wide range of multifunctional panels with higher strength and load capacity compared to other similar systems, which offers a variety of solutions to solve all types of building geometries, even the most complex ones.





Lightweight, robust and multifunctional: that is LGW

Light panel formwork (30 kg/m²) for manual assembly and dismantling or as gangs lifted by crane.

Wide panel range for the solution of any wall, column and foundation geometry:

Standard Panel



Universal Panel



The **shuttering face** comprises a 15 mm phenolic birch plywood, providing an excellent concrete finish.





Highly durable surface-treated **frames**, hot-dip galvanised or painted.

Robust panels with **reinforced corners**.

High load capacity panels:

- Maximum constant pressure: 60 kN/m²
- Maximum hydrostatic pressure for the 3 m panel range: 75 kN/m²
- Maximum deflections: line 6 according to DIN 18202.

Lateral holes for fast erection of standard solutions (bulkheads, corners, columns, etc.). Minimum work on infillings and compensations.



3.00 x 0.90

| Lightweight yet robust, the best balance

Simply lighter

Up to 10% lighter than similar systems.

It can be manually assembled reducing crane use on-site.

Gang forming available for fast forming.



Designed to last

High durability, hot-dip galvanised or painted panels.

Reinforced steel frame on the corners protected against the damage of impact.



| Faster setting and forming

Reduced assembly operations

Panel sizes specifically designed to reduce joints between them and minimise infill areas.

Optimised number of tying points. Less number of ties means faster assembly.



Easy-to-use

The connection between panels is easy and fast using easy-to-use clamps, easily fastened with a single hammer blow.



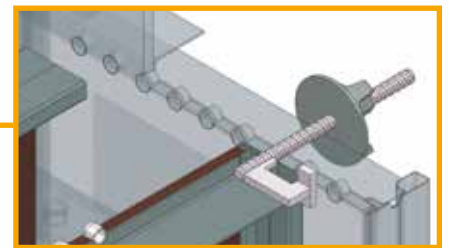
Multifunctional panel range

A wide range of panels up to 3m high, perfect for complex geometrical structures.

Higher load capacity and performance compared to other light panel formwork systems.

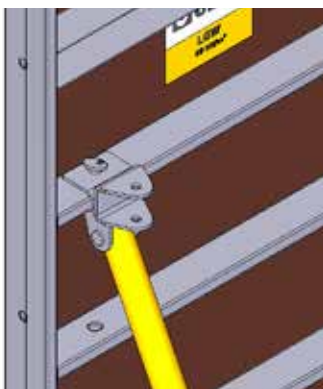


The lateral holes in the panel profile are designed for bulkhead, corner and column solutions with universal panel.



High safety as standard

Straight-forward installation of safety items such as working platforms and push-pull props.



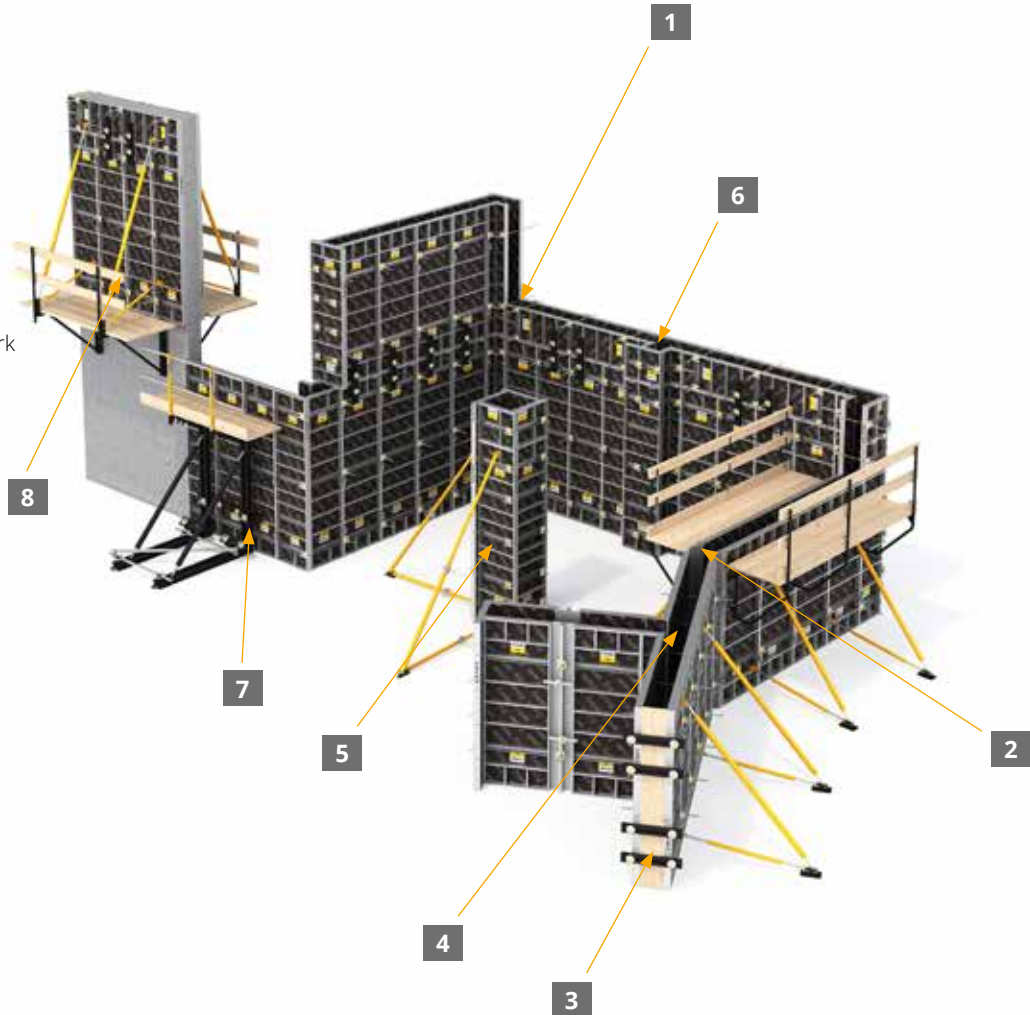
Safe gangs lifting by the lifting hook.

- Maximum working load: 1,200 kg



Thanks to the **multifunctional panels** of the system, it can be adjusted to various geometries.

- 1** 90° Corners
- 2** Corners not at 90°
- 3** Bulkheads
- 4** T wall intersection
- 5** Columns
- 6** Pilasters
- 7** Single-sided wall formwork
- 8** Climbing



Wall geometry

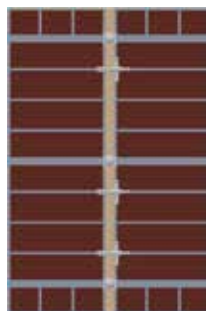
Panel connections

Fast vertical and horizontal connection between panels.

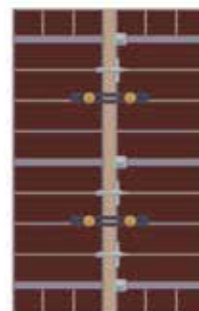


Compensations

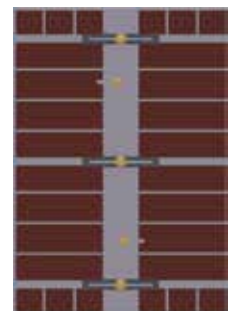
Adjustable clamp for compensations.



Up to 10 cm tied without waler

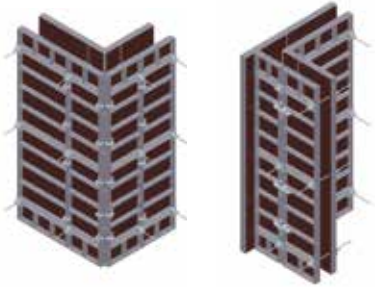


Form ties through the panel + waler



With compensation plate

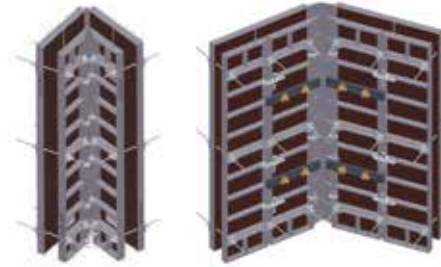
90° Corners



Outside with corner panel

Outside with universal panel

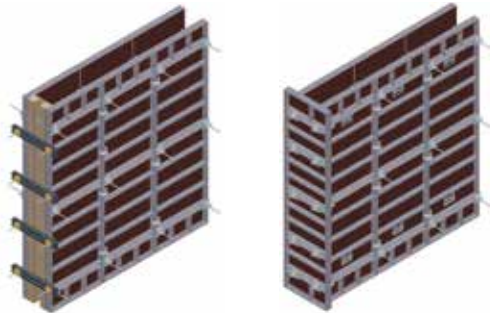
Corners not at 90°



70°-180° Angle

115°-180° Angle

Bulkheads



With walers

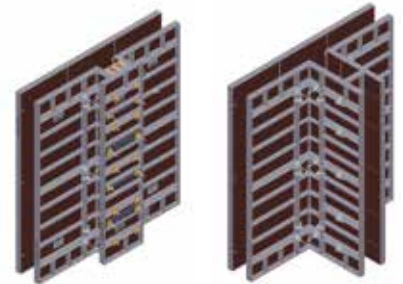
With universal panel

T-shaped wall intersections



With inside corner panels

Pilasters



Inside corner panels with universal panel

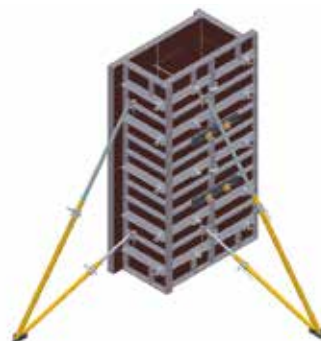
Universal panels with standard panel

Column formwork



- Widths from 10 to 65 cm
- Maximum constant pressure: 80 kN/m²

Rectangular columns can be formed with one or more than one panel on the long side.



Single-sided forming



Climbing formwork



Foundations and footings



Non-straight walls



Beam formwork

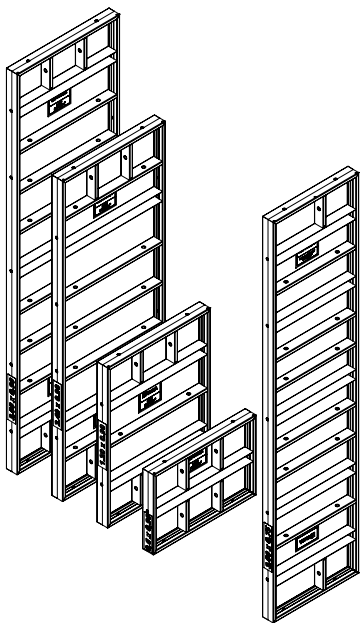


Compatibility with other ULMA systems

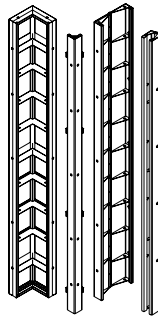




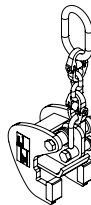
PANELS		
Panel LGW 3x0.9 (2.7 m ²)	1923301	85
Panel LGW 3x0.75 (2.25 m ²)	1923305	71.5
Panel LGW 3x0.6 (1.8 m ²)	1923309	61.5
Panel LGW 3x0.45 (1.35 m ²)	1923313	51.5
Panel LGW 3x0.3 (0.9 m ²)	1923317	40
Panel LGW 2.4x0.9 (2.16 m ²)	1923201	68.7
Panel LGW 2.4x0.75 (1.8 m ²)	1923205	57.7
Panel LGW 2.4x0.6 (1.44 m ²)	1923209	49.8
Panel LGW 2.4x0.45 (1.08 m ²)	1923213	41.6
Panel LGW 2.4x0.3 (0.72 m ²)	1923217	32.1
Panel LGW 1.2x0.9 (1.08 m ²)	1923101	39.8
Panel LGW 1.2x0.75 (0.9 m ²)	1923105	32.4
Panel LGW 1.2x0.6 (0.72 m ²)	1923109	27.7
Panel LGW 1.2x0.45 (0.54 m ²)	1923113	23
Panel LGW 1.2x0.3 (0.36 m ²)	1923117	17.1
Panel LGW 0.6x0.9 (0.54 m ²)	1923001	23.1
Panel LGW 0.6x0.75 (0.45 m ²)	1923005	18.5
Panel LGW 0.6x0.6 (0.36 m ²)	1923009	15.8
Panel LGW 0.6x0.45 (0.27 m ²)	1923013	13.1
Panel LGW 0.6x0.3 (0.18 m ²)	1923017	9.2
Panel UNIV LGW 3x0.75 (2.25 m ²)	1923321	77.5
Panel UNIV LGW 2.4x0.75 (1.8 m ²)	1923221	63.3
Panel UNIV LGW 1.2x0.75 (0.9 m ²)	1923121	32.2
Panel UNIV LGW 0.6x0.75(0.45 m ²)	1923021	18.4
· Coating: painted or galvanised		
· Shuttering face: phenolic or composite board		



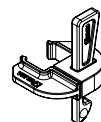
CORNERS		
Inside Corner LGW 3	1923325	64.8
Inside Corner LGW 2.4	1923225	52
Inside Corner LGW 1.2	1923125	28
Inside Corner LGW 0.6	1923025	15.1
Outside Corner LGW 3	1923372	28.1
Outside Corner LGW 2.4	1923272	22.7
Outside Corner LGW 1.2	1923172	11.4
Outside Corner LGW 0.6	1923072	5.5
LGW Hinged Ins Corner 3	1923515	53
LGW Hinged Ins Corner 2.4	1923510	43
LGW Hinged Ins Corner 1.2	1923505	21.6
LGW Hinged Ins Corner 0.6	1923500	11.2
LGW Hinged Out Corner 3	1923535	34
LGW Hinged Out Corner 2.4	1923530	27.2
LGW Hinged Out Corner 1.2	1923525	13.6
LGW Hinged Out Corner 0.6	1923520	6.9
· Coating: painted or galvanised		
· Shuttering face: phenolic or composite board		



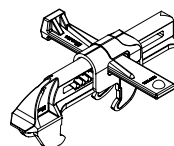
CONNECTORS-LIFTING		
NEVI lifting hook	1920835	8



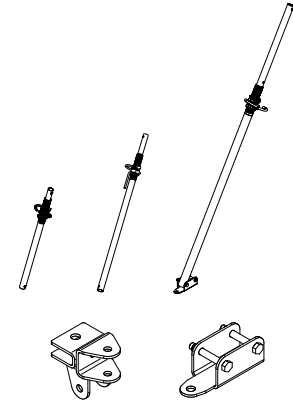
MEGALITE clamp	1920818	1
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NEVI clamp	1920851	4
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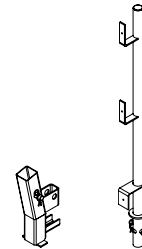


PUSH-PULL PROPS - STABILISATION		
Push-pull prop 1.05-1.55	1856110	6.8
Push-pull prop 1.55 - 2.5	1856130	9.2
Push-pull prop 2.5 - 3.85	1856120	17.9
Push-pull light prop head LGW	1923620	1.8
LGR push pull prop shoe	1856125	2.2

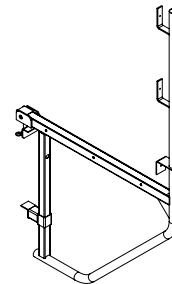


WORKING PLATFORMS-SAFETY		
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NEVI post bracket	1920854	1.5
Safety handrail post	1902210	3.4



ORMA walkway bracket	1861094	16
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TYING ELEMENTS		
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ML bulkhead hook	1920000	0.76
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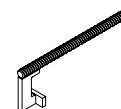
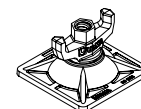


Plate washer nut 15	1900256	1.4
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