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RASTO® G2

The new generation of our 60 kN/m² wall formwork system for small to medium-sized projects, especially in the residential sector, is more efficient than ever.



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The illustrations shown in this brochure reflect day-to-day construction site operations and are therefore not always correct from a safety point of view.

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Editor: Hünnebeck GmbH, Rehhecke 80, 40885 Ratingen. Drucknorm

At Work For You

HÜNNEBECK
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Efficient and flexible frame formwork

The new generation of our wall frame formwork RASTO® G2 is designed for smaller to medium-sized objects in concrete construction, especially in the residential sector. It can be used to manually form walls without a crane and also over large areas with the help of a crane. Thanks to numerous innovations, the new RASTO® G2 is even more economical and flexible than the tried-and-tested RASTO® system.

► Product benefits at a glance

RASTO® G2

- Time and cost savings during erection and dismantling thanks to single-sided ties
- High level of flexibility thanks to the use of different tying systems
- Less material required due to small number of connecting elements
- Sealing cones of the single-sided ties can be used several times
- Easy to change plastic ply
- Tie hole reinforcement for a longer service life of the plastic ply
- Connecting elements can be operated manually and without tools
- “Parking” for the RASTO® clamp
- Rigid inner corner for faster assembly

Flexible and lightweight tying

RASTO® G2 makes tying flexible and efficient.

Efficient single-sided tying is possible as well as the use of traditional DW 15, DW 20 or She-Bolt ties. For single-sided tying, the wall thickness can be continuously adjusted by means of the cladding tube. The RASTO® tie for single-sided tying allows wall thicknesses of up to 40 cm. A traditional tie can be used if the construction project requires higher wall thicknesses.

Prefabricated bore holes facilitate the mounting of the tie nuts; larger conical tie sleeves allow a tie clearance of $\pm 2.5^\circ$. Reinforced tie holes on the XXL panels facilitate assembly and increase the service life of the formwork shell.



► The RASTO® tie for single-sided tying



► The new, high-quality tie hole reinforcement significantly increases the service life of the formwork system.



► Flexible tie selection possible. Here: RASTO® tie for single-sided tying and DW 15 tie for double-sided tying

Simple panel connection without the need for tools

The RASTO® G2 also makes panel connections easier than ever: the RASTO® clip eliminates the need for additional tools.

The small number of connecting elements required is also particularly economical. For example, just two clips are sufficient to quickly and securely connect two XXL panels with a formwork area of 12.96 m².

There are predefined holders for the RASTO® clamps. When they are not being used, they can be „parked“ there. There is no need for the time-consuming process of searching on the construction site.

The cost-effective RASTO® G2 connecting elements can be operated manually without tools. They can also be used as extraction tools for the RASTO® sealing cone and as fast connections at TOPMAX slab formwork.



▶ Connecting elements can be parked in the panel.



▶ The low number of connecting elements increases efficiency. two XXL panels with a formwork area of 12.96 m² can therefore be connected using only two clips.



▶ Simple and efficient assembly of the RASTO® clips: No tools are needed.

The new panels also offer numerous benefits

The vertical bars increase the stability of the panels and offer connection options for the transport hook in the middle of the panel. The RASTO® G2 panels offer integrated brackets for standard connecting elements. A universal formwork platform also ensures safe working during assembly, concreting and dismantling.



▶ Quick connectors for the struts can be attached to the middle vertical bars.



▶ The middle vertical bar offers connection options for the transport hook in the middle of the panel.



▶ The new vertical bars offer numerous connection options.

Rigid corner for greater stability

The new rigid corner element and the more flexible connecting elements speed up assembly – and provide additional stability.

The innovative inner corner has stops for the RASTO® clamp to align the corners. With the transport hook, the corners can also be moved in a centrally attached position.

The transport hook engages in the middle, the panel is picked up symmetrically. Stiffeners are no longer required here. The horizontal bars with the same profiles as the panels improve the connection.

RASTO® clamps for aligning the corners



▶ With the transport hook, the corners can also be moved in a centrally attached position.

▶ The new rigid corner element

The universal formwork platform

The universal formwork platform of load class 2 (150 kg/m²) can be mounted on the RASTO® as well as on the MANTO® formwork system. Only the respective adapters are bound to a system. The platform can be used both as a concreting and intermediate platform.

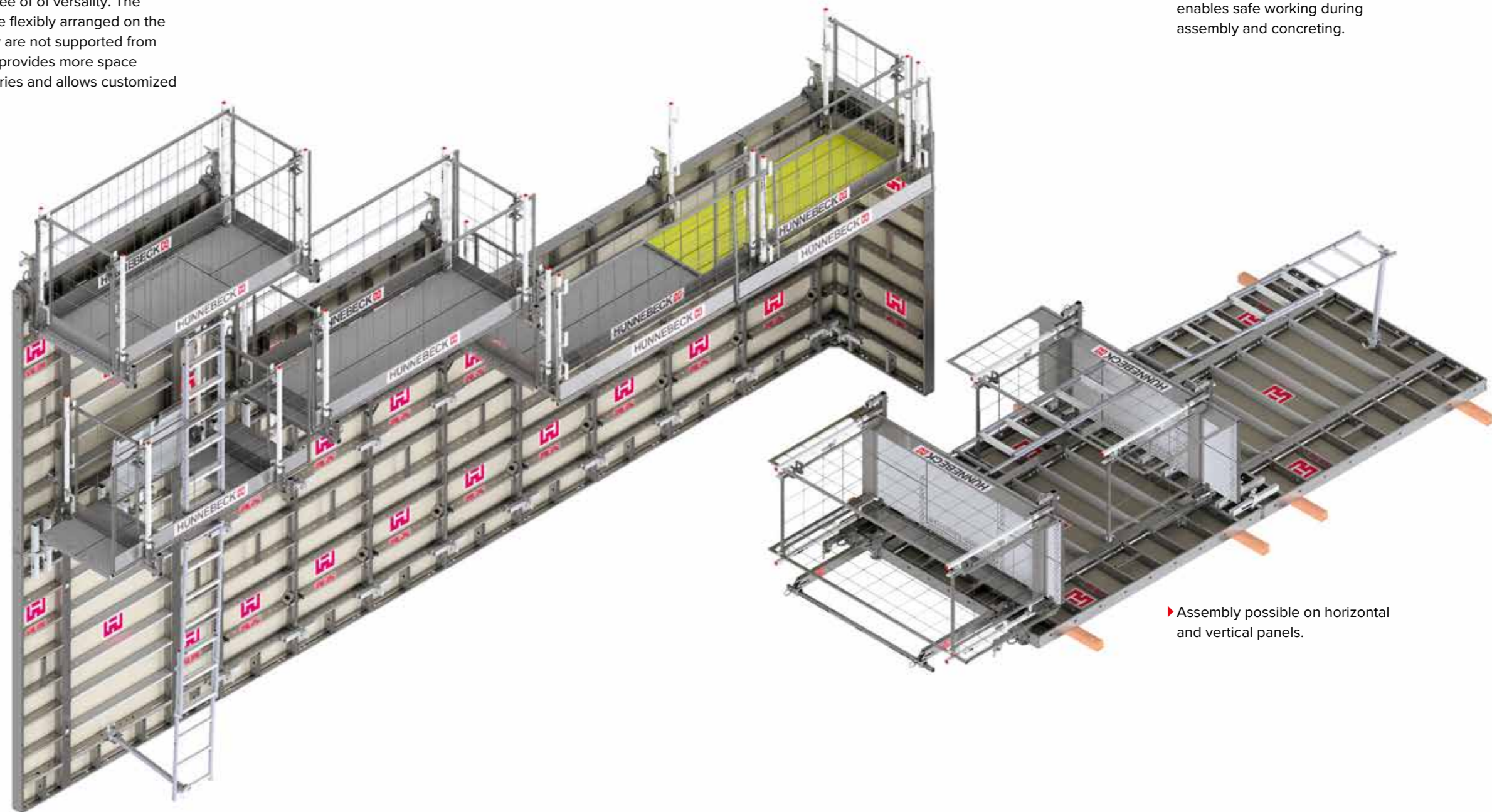
Safety is integrated into the platform: it automatically locks when hooked in with the crane. 360° side protection is already in place when the platform is accessed for the first time. The crane can be attached and detached without personal protective equipment. The height of the bracket can be adjusted by 5 cm on the adapter. This prevents tripping hazards.

The platform is also characterized by a high degree of versatility. The brackets are flexibly arranged on the panel. They are not supported from below; this provides more space for accessories and allows customized planning.

The decks on the brackets can also be arranged flexibly. There is no default grid. System decks serve as leveling decks. The front railing with the door function engages by rotating 90° in both directions.

Stable and thus efficient plastic formwork shell

The 15 mm thick plastic formwork shell creates an even, high-quality concrete surface. The reinforced tie openings can no longer tear out – this increases the service life of the formwork shell.



► The lightweight platform system enables safe working during assembly and concreting.

► Assembly possible on horizontal and vertical panels.

Extensive range of accessories leaves nothing to be desired

► Technical specifications



► The quick strut connection enables the quick connection of aligning struts.

► Safe transport of individual panels and corners with higher load capacity



► The grid box enables the storage of connecting elements, anchor nuts, etc. It can be attached to the carriage and moved by crane. Simple handling saves considerable crane time – a clear improvement for storage and logistics.



► Formwork clamp for highly tensile and pressure-resistant stop-ends with only one part

Product description	Flexible wall frame formwork
Panel widths	30 45 60 75 90 240 cm
Panel heights	120 270
Multipurpose panels	70 x 120 70 x 270
Profile thickness	12 cm steel frame profile
Formwork shell	Multilayer panel (min. 280 g/m ² coating) ECOPLY all-plastic formwork shell
Max. concrete pressure	60 kN/m ²
Formwork shell thickness	Multilayer panel = 14 mm ECOPLY all-plastic formwork shell = 15 mm
Average weight	40 to 65 kg/m ² (including the connecting elements)
Corrosion protection	Completely hot-dip galvanized steel frame and connection elements
Relevant standards	Complies with EN 1993 DIN 18202 18218 18216
Standard connection	RASTO® aligning clamp (aligned and flush connection)
Special connection	RASTO® combination clamp Corner clamp RASTO® clip
Internal corners	30/30 cm
Joint corners	From 60° to max. 150° angle
Outer corners	Base panel with corner clamps
Encasing and stripping times	t = 0.4 – 0.6 hrs/m ² *
Special features	<ul style="list-style-type: none"> • XXL large panel 240 x 270 cm • RASTO® shaft corner connection butt clamp • High-quality formwork shell on all panels • Extensive range of accessories

* Hünnebeck's average time calculation