

Innovative technology, comprehensive solutions and customer-oriented presentations at Intermat 2015

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On Intermat, PERI shall offer visitors the opportunity to learn more about proven and innovative technology at first hand. In addition to the live demonstrations, the visitors are going to be able to take part in detailed technical discussions with PERI specialists, along with finding out more about the extensive PERI services portfolio.

The focus of PERI developments has always been on the highest possible rationalization of the work involved in formwork and scaffolding applications – whilst simultaneously providing safe working conditions for the users. The reliable top quality and the associated long service life of PERI products has also led to a continuous development of systems that are often in use over several decades.

However, PERI services go far beyond just the development and manufacture of formwork and scaffolding systems. The company is much more of a solution provider with a comprehensive range of services and ensuring the best possible user support throughout all phases of a project.

Wall and Slab Formwork

For wall and slab formwork systems, PERI relies on proven systems that make a very convincing case through their outstanding working time requirement values. Systems that have established themselves in the industry during recent years are now even more versatile and flexible with the addition of new system components.

TRIO MXP the universal formwork

For the wall formwork, TRIO is a universal formwork system which places the highest emphasis on uncomplicated forming operations and the reduction of shuttering times. With the BFD coupler for all connections and many other system solutions, TRIO has successfully proven itself in the 25 years since it was introduced to the market. The panels can be used both vertically and horizontally. Only one part is required for all panel connections, the Alignment Coupler BFD. Components made of steel are coloured red-aluminium are yellow powder-coated.

In order to meet the high safety requirements on building site, PERI developed a new platform system for MAXIMO and TRIO panel formwork. Thanks to its unique design, the new MXP platform system provides maximum safety for all formworking operations on the construction site.

Lightweight DOMINO wall formwork systems

The lighter wall formwork systems have also been supplemented with new system components. DOMINO, as lightweight panel formwork for building construction and civil engineering, now allows more applications in the system through the additional panel height of 150 cm – for example, sleeve foundations and parapets or swimming pools. An additional panel width of 35 cm for more flexibility and the stable internal corner made of steel for accurate 90° corners ensure that numerous daily tasks on the construction site can be carried out much quicker.

The generation of slab formwork GRIDFLEX with a completely new safety

Gold medal by Batimat Innovations 2007

PERI GRIDFLEX is the flexible slab formwork system complete with accessible girder grids. Due to the lightweight aluminium components and pre-determined assembly sequence, very short shuttering times are achieved. Telescopic filler elements ensure maximum flexibility.

Safe: With the systematic assembly sequence, elements are simply hooked in at one end from below and swivelled upwards at the other. The girder grid design of the GRIDFLEX automatically forms an accessible working area which provides a high level of safety when laying the plywood sheets.

Only 3 components

The standard field is formed using only three system parts: elements, prop head and plywood. Easy to handle parts - an element weighs approx. 10 kg/m²

Flexibility: With only three kind of panel (standard, telescopic filler longitudinal and transverse), the GRIDFLEX, simple labour-saving filler areas can be realized for any building shape. Compensations are quickly carried out and adjusting to the requirements.

New: On Intermat, PERI will present the new lateral safety guardrail

Change of direction for SKYDECK slab formwork

SKYDECK slab formwork with the lightweight individual aluminum panels has been convincing countless users for many years with its systematic assembly sequence and particularly short shuttering times. Improvements have now been made to the anti-fall protection on the slab edges: the complete guardrail unit with all safety-relevant features can be installed without tools in any position on the longitudinal beams. Once

locked in position, it provides safe and reliable protection. The guardrails are available in widths of 150 cm and 75 cm, and rounded off with suitable stacking devices for transportation.

In addition, new prop heads expand the flexibility of the SKYDECK slab formwork whereby a change in direction of the longitudinal beams at right angles is possible. By turning the SKYDECK panels 90°, infill areas are minimized even further and allows the system to be optimally adapted to accommodate non-rectangular ground plans. This results in time and cost-savings for the user as no compensations have to be created between two formwork assemblies with different panel directions. The new prop head is available in two versions, for providing direct support as well as execution with the drophead.

The PROKIT safety system

PER has further enhanced the PROKIT safety system for applications on open building edges and on the formwork. For attaching the feet for the PROKIT posts on the concrete slab, special screw-in sleeves were developed. Thanks to the coarse external thread, these can be screwed into the fresh concrete by hand requiring only two turns. After the concrete has set, a standard M16 bolt can be screwed into the internal thread. The slab foot can thus be mounted without any subsequent drilling in the hardened concrete and the PROKIT posts can then be easily and safely installed. And with the new PSC sheet piling clamp, the PROKIT side mesh barriers can now also be mounted on sheet piling and Berlin-type pit linings. Fixing with a triple wingnut can be carried out from the top, below and from both sides. The clamp and posts can also be installed in a rotated position.

Source: PERI