

Dokadek 30 in practice

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HTL St. Pölten project. Ground-level safety equals productivity.

Numerous light slots ranging along the front, impressive cantilevering elements and interior spaces characterised by acute angles pose what contractor Aigelsreiter recognised as a major test in formworking on this project. Aigelsreiter has opted for the new Dokadek 30 panel floor formwork for the 17,000 m² of floor slabbing – here in the version without drophead –, and is now achieving the excellent forming time of a mere 12 minutes per m².



The rectangular panels make even high-level slabs easy to form.

Challenging boundary conditions

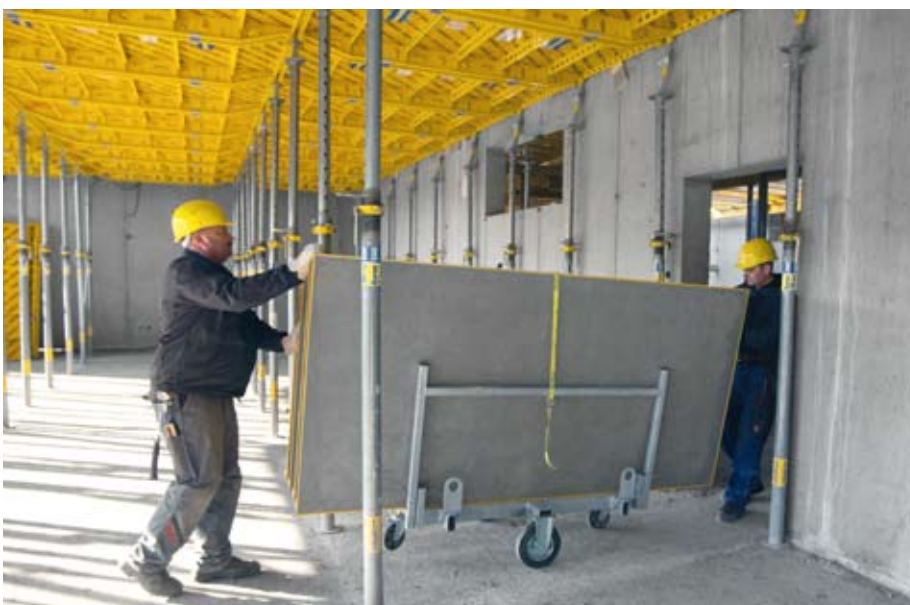
Eight months to completion on the carcass work, limited crane capacities, perfect visuals for the deck underside, a high level of site safety and, needless to say, progress as steady and as rapid as possible are all on the project owner's agenda. Aply prepared with 1,800 m² of our new Dokadek 30 panel floor formwork, the Aigelsreiter site crew is well able for the challenge. The decision to go with the new Dokadek 30 formwork system was driven by economic considerations. The system is rentable, and it is also easy to handle and ideal for the site.

Aigelsreiter lead foreman Anton Hudl has this to say: „This is a bulkhead-type structure with any number of wall sections and the openings are narrow, so the floor formwork has to be manoeuvred on to its side to pass through. There are three-level parapets and lintels that make using a transport fork anything but easy.“ Dokadek 30 is ideal on a build with boundary conditions as complicated as this. The panels are shifted easily and quickly around the floor with the DekDrive shifting trolley, easy to move and sized to fit through any doorway. The panels would have to be lifted from level to level, so a folding platform K was installed on the outside of the building. A single crane

doka



Handsetting from the safety of floor level: Valuable crane capacity is freed, so craneage is available for other tasks to speed up site progress.



The DekDrive fits through any doorway: Speedy and ergonomic moves from one position to the next, despite the bulkhead structure.

lift is all it takes to move an entire stack of panels up one level. Rooms with acute interior angles are an architectural feature, so that means setting up a variety of fits and stops. Dokadek 30 is perfect for this job. With every justification it claims to be the first floor formwork system to enable impressive forming times to be maintained at infills, not just on standard flats. The progress analyses conducted on site have confirmed this capability.

Safety first in formworking

The Aigelsreiter crew is particularly impressed by the safety and rapidity they develop with this floor formwork. The standard slab flats are 3.30 metres above ground level, but with the rectangular panels they can be formed ergonomically from the safety of the floor. A lift-out lock integrated into each Dokadek 30 head holds the panels reliably in position, en-



System-to-system transitions without site improvisation: The stirrup ensures direct transitions to Dokaflex and enables infills to be formed without delay.

ensuring a high level of safety for setting up and stripping the formwork. The assembly sequence is clearly defined, so the two-man teams have the handling routine down pat after only a couple of repeats. In fact, the routine is simplicity itself: Fetch the Dokadek 30 panel, engage one end, swing it up into position and prop with floor props. Forming could scarcely be easier.

Speedy forming at 12 minutes per m² for standard slab flats and infills

A Dokadek 30 panel has a surface area of 3 m², so forming is extra-fast. The crews form acute angles and infills with Dokaflex. The interface between the two systems consists of stirrups that lock easily into the frames of the Dokadek 30 panels. They are the carriers for the H20 beams of the Dokaflex system, offering a professional-grade, direct transition

and eliminating the need for extra floor props or improvisations. The Aigelsreiter site crew was also glad to see that

Dokadek 30 panels come in only two sizes. The right panel is always to hand, site logistics and search times are reduced to



Slab undersides looking good: The Xlife sheeting makes for smooth surfaces; the framing produces a clean, aesthetically appealing join pattern.



The Aigelsreiter team, left to right: Construction engineer Christian Absenger, lead foreman Anton Hudl, managing director Ernst Aigelsreiter.

a minimum. Stripping is a job undertaken from the safety of floor level without exhausting overhead work.

Regular patterning

Xlife sheeting is tried and tested in Doka's Framax and Frami framed formwork systems, so it comes as no surprise that in the Dokadek 30 system it again contrib-

utes to an excellent concrete result and uniform joint pattern. It is highly durable and its characteristics include easy re-conditioning and low water absorption. On the St. Pölten build the panels hardly even have to be cleaned between cycles and the Xlife surface is so smooth that final cleaning after site usage is quick and easy with a high-pressure cleaner. Managing Director Ernst Aigelsreiter sums up

succinctly: „The benefits of Dokadek 30 really make a difference on the build. My crew works at its best capacity level and saves time. We are very satisfied.“ Lead foreman Anton Hudl adds: „What impresses me is the high level of safety. All the routines are self-explanatory and the work gets done safely at ground level. This is exactly how floor formwork systems should work.“