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Anadolu Formwork and Scaffolding

Anadolu Formwork and Scaffolding is a member of the Anadolu Group that has contributed to the development of the formwork industry and is known for its products and achievements in this area. Anadolu Formwork and Scaffolding began its production with the group of formwork systems and improved rapidly a production/moves added other technological formwork and scaffolding systems to its product range in a short time. Anadolu Formwork and Scaffolding Esenyurt production facility produces high-quality products by the use of advanced technology manufacturing and raw materials that ISO quality assured.

Anadolu Formwork and Scaffolding, with an important breakthrough made on the panel formwork arm, takes the market leadership title in this system. Anadolu Klop ve ta resa is making the highest quality production through its huge investments in production technology and R&D activities. It has become a great power and a model company in the sector with the gained experience and commitment to the R&D activities. It has brought many products and solutions to the sector and still continues to bring. Thanks to its investments, Anadolu Formwork and Scaffolding have made great progresses in export field, Anadolu Formwork and Scaffolding Ltd. Co. which has been opened and its quality has been used also in Asian market.

No matter what the geography of manufacturing Anadolu Formwork and Scaffolding reached the level of carrying the same quality and performance products to whole geography in accordance with the quality standards and the raw materials where it is located. Today, Anadolu Formwork and Scaffolding is exporting 40% of its manufacturing. Anadolu Formwork and Scaffolding products produced in line with ISO 9001 quality management TS and DIN norms that protect its quality during and after application for many years. It has earned customer satisfaction with limitless after-sales assistance. Anadolu Formwork and Scaffolding maintained unlimited technical support all over the world by the engineers and supervisors expert in formwork industry and continues to maintain...

Anadolu Formwork and Scaffolding

Anadolu Formwork and Scaffolding Esenyurt production facility is able to produce annually 40,000 m³ of steel formwork system, 120,000 m³ of wooden beam formwork system, 500,000 m² of scaffolding and floor formwork.

In subsequent years reduction in the duration of the project has led to the development of formwork rental sector. Anadolu Formwork and Scaffolding provides also rental service through its growing rental stocks.

Anadolu Formwork and Scaffolding, with the breakthroughs in the field of formwork engineering, has provided its assistance with the extensive knowledge and experience. Formwork engineers have helped our customers for the details such as formwork selection, stock quantity, formwork circulation times, usage instruction, stages of concreting, special issues and substrates of existing formworks to the project, as well helped the constitution size for minimizing the costs of formwork and the easiest and efficient utilization of an existing formwork.
Wooden beam formwork system is used for different structures such as housing, industrial buildings, viaduct abutments, retaining wall and for column-wall formwork, circular wall formwork, single-sided wall formwork and adjustable column formwork. It consists of 3 main elements: steel, H20 and plywood. Panels prepared at the beginning of the project can be easily moved without being dismantled by crane. Column formworks are produced to resist 90kN/m² concrete pressure, wall formworks are produced to resist 50kN/m². Due to being large and flat formwork surface it is obtained smooth concrete.

Straight, angular and circular walls can be poured by the wooden beam formwork system. Steel, H20 and plywood are differently used so that can be obtained panels of different heights and widths. Column sections are smaller than wall sections, this results more velocities of concrete raising. Therefore the column formworks are designed according to higher concrete pressure in proportion to the wall formworks. In the wooden beam formwork system, standard concrete lateral pressure has been accepted 50kN/m² for the wall formworks and 90kN/m² for the column formworks. If necessary these values can be changed.
Single-sided wall formwork systems

Single-sided wall system is used when the formwork cannot be installed on both sides of the carrier system that to be poured. Formworks can be installed double-sided in special cases such as wall dimensions on high standards, dams, cellular raft foundation exterior walls and insulated walls.

Single-sided wall system is installed single-sided and designed to meet horizontal pressure. Concrete pressure is determined according to different heights and different types of support according to pressure values as well. Single-sided wall system can be escaladed with the climbing equipments and be used in one piece without being dismantled after installing the system.
Provide pouring of concrete for the circular reinforced concrete walls. Adjustable circular formwork system is designed for the projects where the walls have variable diameters that can easily accommodate with different diameters. Makes labor and cost savings. Panels finely constructed on site can be easily adapted without dismantling on walls has different diameters. Anchorages shafts remain constant for this pouring of walls has different diameters. There is no need to hide the surface of plywood. Circular wall-bands are used for the water structures as dams, refining plants, pools etc. Thus number of hole on concrete is reduced and water leakage is prevented.
Modular formwork system is a system that is combination of panels by supporting steel or plywood surfaces with steel beams. Modular formwork system can be moved by hand. Panels on sites that using crane can be moved in combination. Creates solutions for the changing column wall geometries and can easily adapt to any geometry. Panels are connected rigidly to each other through the connection hooks by only one hammer blow.

Anadolu modular formwork system is designed complies with TS and DIN norms, ISO certified raw materials are produced. Panels are connected rigidly with connection clips. Anadolu Kapı ve Füzele recommends the usage of working console for the operating safety. Working console mounted on panels ensures a safe working area on the formwork.

Circular column formwork is the most economical and practical solution for the columns has circular geometry. Composed of sheet surface and steel beams. Formwork breaks up horizontally with two parts as semi-circular and vertically with different numbers according to utilidae. In case the horizontal concrete pressure loads on formwork exceeds 40 KN/m², rigidity of the formwork is maintained by band-supporting
Anadolu table formwork system occurs by merger of two frame elements through the diagonal rods. Nowadays, it is the most ideal formwork scaffold of the floor plate, hollow tile and waffle slab applications with large openings. Thanks to the formwork running as whole and auxiliary fixtures can be done rapid installation and dismantling. It has a high carrying capacity. Resistance to pressure is 55 kN/stanchion.

Table carrying fork

It is a crane apparatus and an element of table formwork system that ensures replacing formwork by connecting to the cranes in the course of table formwork application. Table carrying fork is placed by crane in a way to fork ends are under the table formwork and connected to formwork with the chain. Crane operator places the formwork to upper arm. Table carrying fork can easily be adapted to the table formworks with different lengths and widths, to the floors or areas with different heights.
Bush scaffolding system is a practical solution used for carrier purpose under the floor. Consists of only “Middle unit, H frame and adjustment elements”. There is no need any additional apparatus during the installation. Makes labor and cost savings in the projects with the low beam openings and the floors at high altitudes. Due to mutual and staggered installation of H frames that system strength, selection of pipes used in system and vertical axial capacity for load carrying are high.

System is ready installed by interlocking sockets in the frames. Bush scaffolding towers are tightly moved in the project not being used sub-setting shaft. A worker can install and dismantle a bush scaffolding system, non-use of accessories eliminates the possibility of loss of elements. H frames are designed to raise 50 cm. The lower raise 50 cm by using two H frames. In the projects the height exceed 60 cm, is added cross-links and merging pipes. System parts are designed complies with DIN norms and automatically produced by tig welding machines.
Flanged scaffolding system is used as scaffolding tower for the plate, hollow tile and waffle slabs; as facade scaffolding in many areas as exterior, naval shipyard and industrial buildings. Assembly and disassembly are rapidly made by using only one hammer; this makes labor and cost savings. System composed of rods provides an advantage in the stowing area; it is possible to build a ladder scaffold with the same elements. System is loaded on carriage by a cup-lock trolley after it has been shredded then is easily moved by a car transportable.

Flanges are welded to vertical elements by 50 cm or 10 cm openings. This makes alternatives for the cost selection of vertical elements. Any formwork with required openings that can be installed by the elevation approx. 30 cm apart of horizontal elements. These alternatives provide feasibility of formwork installation according to axial pressure loaded to the system.
Cup-Lock scaffolding system is used as scaffolding tower for the plate, hollow tile and waffle slabs; as facade scaffolding in many areas as exterior, naval shipyard and industrial buildings.

Its high resistance to pressure, high-strength and carriage capacity ensures a comfortable and safe usage for heavy floors and high-rise buildings. Assembly and disassembly are rapidly made by using only one hammer. Producing parts as a whole allows the rigid joints. Disarrangement eliminates the problems of damaging and losing of small parts. Precise height settings can be easily done by lower and upper setting shafts. System composing of rods provides an advantage in the stowing area. System is loaded on carriage by a cup-lock trolley after it has been shredded then is easily moved by a car transportable.

Locking mechanisms are welded to vertical elements by 60 cm or 10 cm openings. This situation makes some alternatives for the part selection of vertical elements. Any formwork with required openings that can be installed by the elevation approx. 30 cm apart of horizontal elements. These alternatives provide flexibility of formwork installation according to axial pressure loaded to the system.
Telescopic prop system is a slab formwork system designed by flexible structure. Assembly and disassembly simplicity makes time and labor savings on site. Rod structure of system that is easy to store and occupies a minimum place in the storing area. It can be easily used for the plate, hollow tile, ribbed, waffle and inclined slabs. It readily adapts to the elevation differences and can be installed with a small number of system components. Depending on slab load, props placed under the formwork can be dilated by thickening. Telescopic prop system can be easily adapted to the different sites.

Anadolu telescopic prop system produces five different types of telescopic props. It is designed so minimum height is 180 and maximum height is 500 cm. Inner planes are drilled 10 cm apart. Prop is created by required height and the hook hangs on the hole. For the more precise settings, adjusting mechanism rises on mechanism by turning. These opportunities provide the most precise way to reach the required height.
Facade scaffolding system is a practical system designed to work on facades of buildings. It is the most practical and economical system used for plastering, painting, side plating, wall cladding and coating works. Facade scaffolding system is designed as modular. Module consists of one H frame, one horizontal corridor and two cross-link elements. System composing of rods provides an advantage in the stowing area.

Facade scaffolding system is designed on high-strength, high-carriage capacity and with maximum value of vertical axial pressure resistance. Facade scaffolding system has been produced by ISO certified raw materials that are according with TSE and DIN norms, and it is installed safely on height of 60 m. System is produced by automatic tig welding machines. In order to reach the required strength of system, it is an important detail to connect the wall anchorage kit to the system in accordance with the openings defined in the project. System is rigid and does not make any vibration on high elevations.