

Layher 

More Possibilities. The Scaffolding System.

Layher Group produces high-quality scaffolding systems in Germany. Layher has worldwide presence with more than 40 sales subsidiaries. The products are being used by industries like Construction, chemical plants, power plants, Oil and Gas, shipyards and offshore.

This brand promise made by Layher is the expression of a brand philosophy that we've been living by for over 75 years. More speed, more safety, more proximity, more simplicity and more future: values with which we strengthen our customers' competitiveness in the long term. With our innovative systems and solutions, we're working all the time on making scaffolding construction even simpler, even more economical and, above all, even safer.

More Possibilities - Layher Products and Services

Layher's present product characteristics and services help customers achieve long-term success and increase the profitability of their companies. The Layher Allround Scaffolding has been established as a synonym for modular scaffolds on the market. The Allround Scaffolding offers unsurpassed versatility to be used in construction sites, chemical industry, power plants, aircraft, shipyards, event sector, theatres and arenas.

Application of Allround Scaffolding - Escape Stair Tower

Additional escape stairway structures for buildings are

Layher Allround Scaffolding - Escape Stair Tower

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becoming more and more important. That includes the **reinforcement of existing buildings** for public use, due to altered regulations or to their being used for new purposes, model building regulations require, for greater numbers of people, a second escape route or modification to the existing one – for example for fire safety reasons. During **modernization work on buildings** of any type too, a second escape route may be temporarily required if the main escape route is closed due to building work. The requirements relating to dimensions for building stairways are in general governed by DIN 18065 "Stairs in buildings". Only the flight width is not clearly defined here.

Extensive modernization measures for larger and better escape routes usually gobble up lots of time and money. In some cases, modernization work by others is not even possible. The solution: escape stair towers from Layher. Taking proven Allround Scaffolding as the basis, stairway structures can be flexibly adapted to a wide range of building situations, such as exit levels – for various rises and loads, and if required with child safety guardrails. Layher escape stairways also offer a long service life: this is assured by continuously monitored and high-quality production "Made in Germany", and by the high standard of surface coating on all Layher steel components by means of hot-dip galvanizing.

Application of Allround



Adaptation of the entry and exit levels at the stairway bottom or top area using equalizing stairways with different heights

Scaffolding is suitable for Shoring, work scaffolding and stairway tower. All these needs were ideally met with only one system: Allround Scaffolding from Layher. This modular system scaffolding permits, with its bolt-free wedge-head connection technology, not only



For a reduction in the risk of injury Allround standards without spigots can be used in the top stairway level and optionally with tube caps. This ensures at the same time an attractive appearance.



Layher Emergency Escape Stair for Residential Building

rapid assembly, but also – thanks to a comprehensive range of parts – unlimited applications, even with very difficult ground plans and anchoring conditions or with complex architecture.

If existing buildings fail to comply with legal requirements relating to escape routes,



To make escape stairways accessible from different points of the building, projecting building walkways at the top level can be built completely using standard parts from the Allround system.



additional measures are needed for the latter. They can be provided economically and quickly using escape stair towers made using the Layher Allround Scaffolding construction kit.

Every requirement on a site can be met economically using the Allround construction kit – whether it's connecting up large shoring structures using Allround ledgers and diagonal braces, adapting to different geometries, or adding work levels and stairway towers.

Layher Allround Scaffolding Systems is performing like All-rounder.



To prevent un-authorized access to the stair tower, the lower exit area of the stairway can be enclosed using the Layher Protect System. An ideal addition to this is the Protect door element, which can only be opened from the inside.