



Lindab Construline™

Lindab System Solutions

Keep speed up,
keep costs down





Make a system of construction

- economical
- flexible
- easy
- environmental

System solutions are about speeding up construction time, optimizing project planning, simplifying assembly and using safe building materials. They're about building with steel in a fully integrated construction system – creating solutions that take a building project from the drawing board right through to realization.

Steel constructions won't let you down. They're damp resistant and won't be affected by mold. They don't shrink or swell. Whatever weather conditions they're exposed to during the construction process, they still retain their original strength and shape. And even although they're so lightweight, they have a surprisingly good load bearing capacity.





Solutions that stand up to examination

Lightweight steel wall constructions from Lindab offer unique advantages. The surprisingly good load bearing capacity and the numerous design options make them an excellent choice for any building project.

Slots for damp resistance

Lindab's exterior walls are just as perfect for single-family houses as for multistorey buildings. We use slotted profiles to reduce thermal conductivity and eliminate condensation or blackening. All profiles are manufactured in hot-dip galvanized steel to prevent corrosion. As they're damp resistant they won't be affected by mold.

Excellent soundproofing

An exterior wall from Lindab minimizes noise and vibrations. Tests show that steel constructions provide more effective soundproofing than other materials. And as there's no flammable material in a steel construction, it fulfills stringent fire safety regulations.

Assembly is easy

An exterior wall from Lindab is easy to assemble. All the parts are delivered to the building site already marked up and cut into the required lengths. There are specially designed fasteners for every application imaginable. To customize the building process to your exact requirements, Lindab provides fittings to fix windows, doors, insulation, pipes, cables and facade cladding.

Silence is golden

There are good reasons for choosing Lindab's partition walls – they have excellent sound insulation and fire resistance qualities. And you can build walls up to a height of 14 metres.

Meet the highest sound and fire demands

We have developed acoustic studs to comply with the highest demands for sound insulation. With plaster for boards and mineral wool for insulation, Lindab's partition walls ensure effective fire protection, and comply with the most stringent fire safety regulations.

Excellent load bearing properties

Our solutions easily withstand loads all the way from the floor structure up to the roof truss. All the parts are delivered to the building site already marked up and cut into the required lengths. There are specially designed fasteners for every application imaginable. In short – it's easy to assemble a partition wall from Lindab.







Take a weight off your mind

Floor structures made of Lindab purlins offer excellent noise and vibration reduction properties, even if they're lightweight. The high rigidity in relation to the low weight also makes the floor structure particularly suitable for renovation projects.

The ceiling is screwed onto steel studs, which are affixed to acoustic clamps on the lower purlin flanges. The cavity between the underfloor and the ceiling is filled with mineral wool and can be used for electrical, plumbing and ventilation installations.

In apartment blocks it's important to ensure that fire can't spread. A steel floor structure, together with plaster and insulation, meets the highest fire safety standards.



Put a ceiling on costs

Choosing Lindab means that there's a solution regardless of your starting point. There are roof trusses for any roof design. Our roof systems make it possible to convert a flat roof to a pitched. Or to add yet another storey to your house without having to strengthen the original construction.

To ensure the best possible design of each project, Lindab offers state of the art project planning assistance and support.

Roof trusses

Our steel roof trusses are easily designed and dimensioned in Lindab's software. Prefabrication and the low weight of the trusses simplify installation.

Laying the roof is simple, too. Lindab's steel battens can easily be overlapped without nailing and they require no cutting. So there's no waste either. And as steel has surprisingly good load bearing capacity, you can choose any roofing material you like.

Flat-to-pitch conversions

Instead of renovating a roof with an inadequate slope, it's easier to install a new one on top of it – a flat-to-pitch roof conversion. A roof truss construction is built on the old, flat roof with steel runners and studs. The roofing is laid on the new truss.

As steel is lightweight, a flat-to-pitch conversion doesn't involve any strengthening of the building. The new roof is easy to assemble – all the elements are precut and already marked up.

You will cut heating costs as there's room for insulation between the old and the new roof. And it will considerably improve the appearance of your building. If you choose roofing from Lindab, there's a wide range of colours and profiles to match the colour scheme and overall design.

Roof lofts

You can increase space in your building with additional storeys. A lightweight roof loft construction won't be a problem for the original building structure. The prefabricated, load bearing exterior wall elements and the roof trusses are easy to install. And there's practically no limit to the design options.



An easy way to make your dream come true

You can use Lindab's lightweight techniques to build garages, carports, workshops or even an attractive detached house. The wide range of systems, components and software helps you to design exactly the building you're looking for.

It's all up to you which appearance you want to give your new building. There's a wide selection of roofing and cladding in many different colours. And to add that final touch, match your choice with Lindab's flashings and roof drainage systems.

Small building system

Lindab's small building system is an easy-to-install, smart system for lightweight structures. The frame construction is made of hot-dip galvanized steel modules and roof trusses.

There's 3D software to help you decide the location for windows and doors, or the colour scheme that best fits the environment. It will also indicate the exact construction data as well as the price for your new garage or workshop.

Family housing system

Build the house of your dreams in soundproof, damp and fire resistant hot-dip galvanized steel. With Lindab's design software you can follow the construction step by step. You can choose roofing and cladding material, colours, size and location of windows and doors and watch your new house appear on the screen in 3D. The software also prepares a price quote and the exact material specifications.





Solutions that won't leave you cold

No matter if you want to renovate a facade or add insulated roofing or cladding to a building, Lindab offers several options. Whichever alternative you choose, heating costs will be cut.

Lindab's software covers our complete range of profiles. It calculates and optimizes the best solution for your facade renovation, thermo roofing and thermo wall designs.

Facade renovation

When a facade needs to be renovated, Lindab's system is an effective choice. It gives the architect the opportunity to choose whatever design, material, colour, shape and details he or she opts for. And it includes supplementary insulation to cut down heating costs.

The insulation is fitted onto the original facade between spacer battens. The new facade material is mounted on the battens. Renovation can be carried out without having to disturb the residents.

Thermo roofing

If you need your roof to be insulated, there's a solution from Lindab that weighs less and is easier to install than traditionally insulated roofs. Our thermo roofing includes slotted purlins to minimize cold bridges. Insulation is lighter than usual, without compromising on the heating effect.

Thermo walls

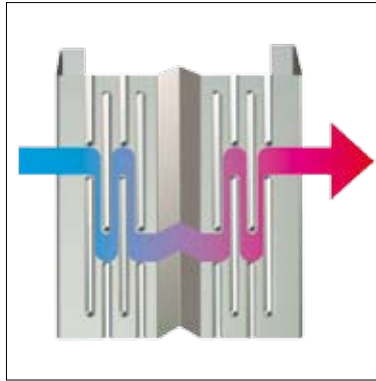
For insulated walls, there's a solution from Lindab that includes slotted purlins to minimize cold bridges. Insulation is lighter than usual, without compromising on the heating effect.

Some strong reasons for lightweight building



Acoustic performance

Measurements according to Swedish standards show that slotted steel studs have better properties than wood studs. The sound reduction of slotted steel studs is 54 dB compared to 45 dB of wood studs.



Energy performance

Slotted profiles have low thermal conductivity. The increased insulation volume gives the wall even better thermal properties, well suited for all types of buildings.



Fire performance

As there is no flammable material in lightweight floor and wall constructions, they fulfill the most stringent fire safety regulations.



Weight performance

Steel constructions have excellent load bearing properties, given their weight. The low weight also makes life easier for construction workers and carpenters.



Tenability performance

Lightweight constructions retain their strength and shape throughout their lifetime. They're impervious to the effects of damp and mold. The ready-made lengths of the components save time and reduce costs.

A complete range of solutions



Roof systems

- light-frame roof trusses
- flat-to-pitch conversions for quick renovations
- light-frame roof lofts
- energy efficient thermo roofing with slotted Z profiles

Wall systems

- energy efficient and soundproof exterior walls
- noise reducing partition walls
- energy efficient thermo walls with slotted Z profiles
- flexible facade renovation system

Floor systems

- noise and vibration reducing floor joisting

Small building and family housing systems

- easy-to-install lightweight systems for garages, workshops and small houses

Want to know more about Lindab System Solutions?

www.lindab.com/buildingtechnology



Lindab Profile is a business area within the Lindab Group that develops, manufactures and markets efficient, economical and aesthetic steel and sheet-metal solutions for the building industry.

We offer everything from complete building systems to individual building components for all types of housing, as well as commercial and industrial buildings.

Lindab Profile is represented in over 25 countries throughout Europe. Our head office is in Förslöv, in the south of Sweden.



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