Innovators in steel buildings

SIGMA
At Frisomat, all good things come in 2’s. It only takes 2 to assemble a building, from 2 weeks to 2 months. How? As the only international manufacturer and constructor, Frisomat manages the entire process, from design and development to production and construction. You and us, it only takes 2.

Why does Frisomat use cold rolled High Strength Steel? It is lighter, faster and therefore more economic. The lower weight ensures lower costs in production and shipment. Your building can be assembled on site by 2 people using light equipment. The result: a minimal ecological impact. The cold rolling ensures an unseen stability and strength. A true innovation.

Frisomat’s unique Meccano principle is unrivalled. Every part is prefabricated and simply fits into place like a giant building kit. Every single part is meticulously designed, developed and produced by a vast team of experts. The result: a wide range of innovative structures and applications in compliance with local requirements and regulations. Thanks to its fully integrated production and development chain, Frisomat guarantees a clear and reliable overview on projected costs. State-of-the-art technology monitors every phase of the process. A comforting thought.

Go. A Frisomat is easy to assemble thanks to the prefabricated, innovative and standardised components. Our technicians know the system inside out. All over Europe, Frisomat assembly teams are ready to construct your project. And all over the world, you benefit from Frisomat’s support to have it assembled. A consistent approach. The final link in an integrated chain. At your service.

Almost limitless personalisation with completely prefabricated and standardised components. Available for almost every conceivable application, however complex and sophisticated. From foundations to finishing parts, every component bears the Frisomat stamp. Standardisation with a highly personalised touch.
Light but solid. Every part can be manipulated by 2 people. All parts fit together like a giant building kit.

From riding hall to storage and office space. A Frisomat building can be used for almost limitless applications.
Dimensions
Sigma. A classic industrial building suited for medium heights and spans.

Sigma Dimensions
- Height: 5.0, 4.5, 3.5, 2.5 m
- Span: 7 m - 22 m

All dimensions can vary depending on local requirements and regulations.
Design for life

Sigma combines an interesting price per m² with interior and exterior flexibility. The roof pitch of 22° makes it possible to use a lighter structure without sacrificing maximum inner space. The result? A modern, versatile and sustainable building delivered at an attractive fixed price. The high-end finishings and high quality structure guarantee the best quality and a long lifetime, all in compliance with local standards and regulations. Built to last.

Applications

Sigma buildings are designed and developed to meet your requirements. Although every single part is standardised, a high level of personalisation is possible. Thanks to its relatively light structure, a Sigma can be built virtually everywhere.

Whether you need a sports facility, a storage room, a riding school, a production site or a workshop, a Sigma suits the job. Depending on use or customers’ wishes, the Sigma building can be equipped with different types of doors and windows, loading bays, smoke vents and various other options. Last but not least, because Sigma buildings can be coupled, the possibilities are almost endless. We create your project.
Five-star choice:

- Spans from 7 – 22 m, side wall heights 2.5/3.5/4.5 and 5 m
- 100% galvanised High Strength Steel structure
- Roof pitch 22°
- Designed in accordance with client requirements
- Extendable and expandable at all times
Sigma buildings can be installed on purpose-built foundations or on prefabricated concrete elements, depending on the building site and local regulations. Specially adapted anchor sets or expansion bolts secure the building to resist the strongest forces.

Exclusive, innovative connection pieces fulfill the most complex requirements and guarantee easy assembly. As a result, Sigma buildings can be coupled or expanded at all times, depending on local regulations. **We cover your growth.**

Every Sigma has a completely hot-dipped galvanised structure of cold rolled Σ-shaped profiles. The 275 g/m² zinc layer guarantees the best protection. **We make your building last longer.**

A design that stands the test of time with minimum maintenance. All finishings are tailor-made. **The perfect fit in high quality material.**
Working with standardised, prefabricated concepts leaves plenty of room for personalisation. Not only in form and design, but also in finish. Various colours, insulations, windows and doors, smoke and air vents, loading decks, canopies, flashings, separation walls, suspended floors, you name it. Whatever your project needs.

Roof and wall covering

Depending on design, application and customer requirements, various solutions can be used to cover Sigma buildings. Vertical or horizontal sheeting, with or without condensation film, insulation blankets, insulated liner trays or sandwich panels in various colours. The possibilities for material and insulation are almost limitless. Your Frisomat advisor will help you to find the ideal solution.

- 100% galvanised slim 3-profiles for beams and columns
- Sandwich panels for roof and wall covering
- Vertical or horizontal wall covering depending on customers’ wishes
- 100% galvanised slim 3-profiles for beams and columns
- Single skin trapezoidal sheets (TR45)
- Insulation blanket under roof cladding
- Insulated liner trays filled with glass wool or rock wool
- Vertical or horizontal wall claddings depending on customers’ wishes
Sheeting

Frisomat only uses pre-painted S280 steel of the highest quality with a zinc layer of 275 g/m² to profile your sheets and finishing. The quality is guaranteed by the different layers of the sheet:

- Surface coating in standard colour
- Primer
- Passivating layer
- Zinc layer
- Steel care
- Zinc layer
- Passivating layer
- Protective reverse coating

Colours

We offer a variety of standard colours for your projects:

- RAL 1015
- RAL 1023
- RAL 5008
- RAL 5010
- RAL 3000
- RAL 6009
- RAL 6011
- RAL 7022
- RAL 8014
- RAL 8012
- RAL 2008
- RAL 9006
- RAL 9002
- RAL 3012

Mezzanines. Redefining space.

Need more storage room within your Frisomat building? Want to create extra offices without sacrificing any space? The answer is Frisomat’s unique mezzanine: a suspended floor, made of the same sustainable, galvanised material as your structure. The load capacity is no less than 300 kg per m² and, at a standard yet adaptable height of 2.8 m, it provides additional storage space underneath. Additional space at an unbeatable price.

Do you have more specific needs? As an alternative to the Frisomat mezzanine, we offer a more traditional solution. A suspended floor made of pre-painted steel deck supported by a classic, hot rolled structure. This conventional intermediate floor can be covered with a lightened concrete deck. Specific solutions for specific needs.

All Frisomat’s mezzanines are individually designed for specific locations or uses and can easily be transformed. As such, they ensure better use of space and help you save money and increase profitability.
Innovators in steel buildings. We have over 30 years of worldwide experience, more than 20,000 different projects all over the world and more than 20,000 satisfied customers. Every project has its own standards, requirements, specifications and complexities. No matter what, we build it for you. Anywhere, anytime. Your project, our pleasure.
Frisomat has a wide range of products, based on seven construction systems and more than 200 standardised buildings. The four superior systems are fully modular, guaranteeing customers complete freedom in construction and finishings.

All executions, dimensions and options can vary depending on local regulations and guidelines.