Storage

Innovative fabric buildings

RUBB
Building Systems

Rubb warehouse structures are ideal storage solutions to help companies accommodate their expansion plans or meet changing logistical needs.

Rubb's innovative fabric engineered structures offer a range of proven storage and warehouse solutions. Our large clear spans and high translucent ceilings provide a bright, efficient working environment. Rubb structures are built to last but are fully relocatable or extendable to meet changing needs.

Rubb industrial bulk storage buildings can be easily converted, adapted or relocated to store additional products, providing a more flexible storage facility.

Rubb storage buildings are easily designed to accommodate conveyors and other loading methods. Retaining sidewalls can also be integrated to resist lateral loadings. Our storage buildings have been used to store everything from biomass to perlite, and often serve as salt sheds for local authorities.

Advantages

Low maintenance and costs

Our high-quality membrane materials and post-production galvanized welded frames deliver durability over time, making the cost of maintaining Rubb buildings more economical compared to conventional structures.

Energy-efficient roof membranes

Translucent membranes allow natural daylight to illuminate the workspace while the white roof surface reflects heat. Thermohall® insulation can minimise heat transfer, prevents condensation and virtually eliminates thermal bridging and air infiltration.

Structure quality

All structures are code complaint, designed to meet wind and snow loadings of its geographical location. Rubb PVC fabric cladding has a manufacturer's warranty of 10 years. Steelwork is hot dip galvanized in post production to eliminate any chance of corrosion, and comes with a 25-year warranty.

Multiple door options

Rubb offers a variety of different warehouse door solutions. They can be selected and designed to suit many size and opening requirements. This flexibility ensures that our clients get the best option for their selected Rubb building type, depending on their operational needs.

Complete environmental control

The membrane cladding of a Rubb building is continuously sealed to provide a weather-tight shell. The buildings can be insulated, heated or air-conditioned as required. Rubb structures are uniquely suited for use as dehumidified facilities.

Reduced time on-site

Our established supply chain streamlines coordination of delivery and installation. Pre-fabricated elements and the ability to construct our buildings in a variety of weather conditions speeds up the construction process.

Rapid construction, installation, and relocation

Rubb buildings can be quickly erected, dismantled and relocated due to module pre-fabrication. Rubb can provide site supervisors or fully dedicated construction teams to complete any custom project. Structures are transportable by land, sea and air.

Flexible and cost-efficient foundation systems

Rubb buildings can accommodate many foundation options such as concrete up-stand, ballast weights, and ground anchors into an existing surface. Rubb co-ordination with the groundwork contractor is key for the client to reach the most cost-effective solution.

Customisable features

Buildings can accommodate all types of door, ventilation and other systems. They can safely support high loads imposed by overhead cranes, ceiling-mounted HVAC and fire-suppression systems, fall-protection equipment and other superimposed loads.

Comprehensive long-term service

Rubb personnel are on hand to provide help and support, from initial contact and quotation, to installation and beyond. Rubb's commitment to customer service continues after project completion and forms the basis for long-term customer satisfaction.

FTS Eiendom AS

Fredrikstad, Norway

Type
FXG

Span
30m

Long
59.3m

Eaves
6m

Thermohall®
150mm

Four insulated Thermohall® buildings increased storage space, while halving the costs for FTS Eiendom AS.

FTS is set to streamline its flow of goods and expand storage capacity with the help of Rubb. FTS Eiendom AS is a provider of a range of logistics products within shipping, forwarding, storage and distribution.

FTS chose Rubb as its partner to help set up four storage halls, each measuring 1800m² (19,375ft²). The concept includes rental of warehousing space for customers who need space near the growing port in Fredrikstad. In order to keep costs and rental rates down, FTS Eiendom decided not to build traditional warehouses, and selected insulated buildings provided by Rubb.

We could have built an 'ordinary' steel building, but it was twice as expensive. Now we can go into the market with a very favourable price.

Manager, FTS Eiendom
Jon Børresen

Nifco

Stockton-on-Tees, UK

Type
BVI

Span
28.3m

Long
48m

Eaves
6.5m

Apex
8m

Door
6 x 6m

The storage warehouse measures 28.3m wide x 48 long with an eaves high of 6.5m for the clearance of lorries and internal racking units. The building was also designed with two fire access doors and a guttering system.

While constructing the new Rubb storage facility, the team worked around the normal day-to-day running of the Nifco business. As well as serving as a pallet storage facility, the building has two 6m wide x 6m high openings at each end to accommodate the entrance and exit of the transport through road.

As the structure was being built across a busy area of the business, the Rubb team needed to adapt the building plan to fit in with working hours and area usage to cancel out any downtime.

Grøntvedt Pelagic

Sør Trøndelag, Norway

Type
FXG

Span
30m

Long
200m

Eaves
5m

Thermohall®
100mm - 150mm

Grøntvedt Pelagic chose Rubb as the supplier for their third warehouse project in Sør Trøndelag.

Rubb delivered a 30m x 108m x 5m hall, insulated with 150mm Thermohall® insulation. This facility is divided into two areas with a Thermowall partition. The structure features two temperature zones.

Grøntvedt then expanded with a second 30m x 152m x 5m hall, with the same insulation thickness, and two Thermowall partitions inside, providing three temperature zones.

The third structure measures 30m x 200m x 5m and connects to the original structures. This facility includes three Thermowall partitions, creating four temperature zones.

The halls are excellent for our needs and are of a quality we know we will benefit from for a long time. They keep the required temperature consistently, even on hot summer days.

Production Manager,
Grøntvedt Pelagic AS
Alexander Grøntvedt

Tradewood & Co

Belfast, Northern Ireland, UK

Type
BVE

Span
101m

Long
95m

Eaves
8m

Apex
12.9m

Door
5 x 5m

The triple link warehouse facility Rubb created for Tradewood Agencies in Belfast, Northern Ireland, is a massive structure measuring 101m wide and 95m long. This storage building features a floor area of 9,595m².

The warehouse provides plenty of space to store a range of timber and timber products including doors, flooring and plywood for distribution throughout Ireland and the UK. The facility boasts an overall height of 12.93m, which coupled with Tradewood's translucent roof, enhances the bright interior typical of a Rubb building.

On completion of the main structure the client added a 320m² mezzanine floor to provide office space for its growing team of employees.

LG

Biskupice Podgórne, Poland

Type
FX

Span
30m

Long
125m

Eaves
5m

Apex
12m

Door
Load

Thermohall®
50mm

Rubb was selected to help lay the foundations for Korean electronics giant LG's latest expansion in Europe.

Rubb Poland applied expertise to design, manufacture and install three FX Thermohall® structures to LG Electronics at Biskupice Podgórne, near Wrocław, Poland. NARA E&C commissioned the buildings on behalf of LG.

Two buildings measure 30m wide x 125m long and one measures 30m wide x 90m long – all have 5m sidewalls. The buildings feature tunnels between the halls. The 30m x 90m FX hall was built with trans-shipping loading platforms for three trucks. The buildings include a total of 14 gates. There are also six fire personnel doors.

ThermoHALL®

Rubb's insulated cladding system

Rubb's patented Thermohall® features a flexible insulated fabric system which offers major advantages over other insulating systems:

- Non-combustible glass wool is encapsulated in air and water tight pockets
- Insulation thickness from 50mm to 150mm
- No air gaps in the cladding, which reduces heat loss and helps eliminate condensation
- Buildings are fully relocatable

Development of Thermohall® started several years ago, with the goal of a new and eco-friendly insulation system. Thermohall® is now fully developed and patented. Thermohall® offers great energy savings and is environmentally friendly—both in fabrication and operation.

- Rubb uses a heavy-duty PVC fabric with a long, useful life and high density, non-combustible glass wool insulation
- All the materials are recyclable. Steel can be recycled through various means and PVC can be recycled through initiatives which are part our operational supply chain and environmental partnerships. The insulation material that Rubb uses is processed from recycled glass
- Rubb Thermohall® structures combine the best properties of both conventional buildings and fabric buildings, high thermal insulation and full relocatablity. All Thermohall® buildings can be delivered to suit our customers' insulation requirements

Thermohall® technical specification

Thickness	U Value (SI) W/m2K	R Value (US) ft-F-hr/BTU
50mm (2in)	0.67 W/m2K	R11
100mm (4in)	0.36 W/m2K	R19
150mm (6in)	0.25 W/m2K	R27

Outer layer

Flame retardant heavy-duty fabric

Inner layer

Self-cleaning PVC fabric

Core

High-density glass wool insulation

Rubb structures

Rubb has the capability and experience to design, manufacture, deliver and install custom structures.

With Rubb, you can be sure everything is under control from concept to completion—including cost, quality, and delivery.

While we generally have the right standard structure available to meet project needs, Rubb can also design custom solutions to meet special requirements. We have the in-house resources to provide a cost-effective solution customised to our clients' needs.

Design

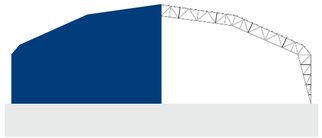
Using proven engineering software, we can tailor the project to the specific requirements of the site, type of cargo and logistical needs.

Production

Our steel and membrane components are fabricated with proper equipment and quality control.

Installation

Pre-engineered and pre-fabricated to make on-site installation by a Rubb crew—or your crew— go smoothly and efficiently.

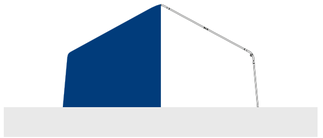


BVE

BVE structures feature lattice frame sidewalls and can be designed with single or multiple lattice roof pitches. 20m to 40m span widths, by any length.

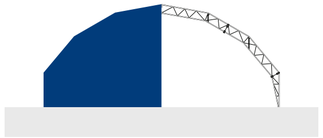
BVC

The BVC is designed with a vertical column leg and a lattice frame roof. This structure type offers a large clear internal area. 40m to 100m width spans are available.



THA

The Rubb THA fabric shelter range features robust industrial tents and portable temporary shelters to suit your construction, manufacturing, and storage requirements.

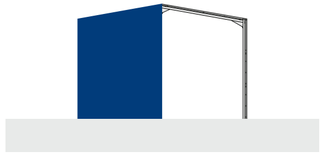


NV

The Rubb NV is designed with a high apex height in mind for maximum storage space. It is also a structurally efficient shape for regions of high snowfall.

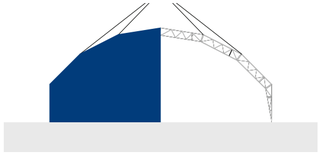
BVL

The BVL has vertical lattice frame sidewalls and single or multiple lattice roof pitches per span. Large spans start from 40m to 100m in width, by any length.



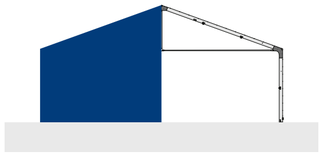
BVR

The versatile BVR structure type features rectangular leg and roof box sections. The leg height can be extended for additional interior clearance.



BLE

The Rubb BLE series of structures are BLE structures are equipped with lifting points and designed to be liftable, moveable, extendable, and relocatable.



Rubb Hall

Our standard prefabricated Rubb Halls have been optimised for a variety of industrial applications. Rubb Halls are flexible, durable, portable, and designed for fast delivery.

Twin/triple link

Twin and triple links are more affordable than single roofs for very large projects, due to the reduced amount of steel work.

Door options

Rubb offers a variety of different door solutions.

They can be selected and designed to suit many size and opening requirements. This flexibility ensures that our clients get the best option for their selected Rubb building type, depending on their operational needs.

Rubb can also supply a wide range of access and industrial roller shutter doors.

Access door

These types of doors are suitable for public and non-public areas. EN 1125 and EN 179 standards apply to push bars and touch bars respectively. All doors and emergency exit doors supplied by Rubb adhere to European product standards. To meet customer requirements, all doors come with CE marking and are ISO 9001 approved.

Roller shutter doors

Commercial off-the-shelf doors, measure up to 10m x 10m, but Rubb can also offer custom door sizes. All doors incorporate a motor driven system, with built in safety mechanisms. Doors can be electrically operated and can be combined with safety devices and traffic lights. All doors can be customised to suit business operations.

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RUBB
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Rubb Buildings Ltd is a company in Rubb Industries AS, which is part of Zurhaar AS.