TENT HALLS

TECHNOLOGY

QUALITY IN EVERY DETAIL...

POL-PLAN

TENT HALLS

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TENT HALLS

*Experience since **1983.***

As a family business, for over 37 years Pol-Plan has been producing multi-season tent halls designed to match various requirements and resistant to extreme environmental conditions, which fit the role of storage, industrial, agricultural, event and sport halls as well as many other applications.

We work globally and the quality of our halls has been recognized by clients from across all Europe, north Africa, central Asia and the Middle East. We constantly improve our technology and increase our production potential (four production halls over a 7500m^2 area) in order to meet the highest expectations in terms of quality and aesthetics.

We possess an advanced machine park, mainly based on CNC treatment machines. A complex of tent halls with an area of up to **9000 m^2** can be found in our portfolio of realized projects. These are solid constructions from aluminium profiles with single or double pitched roofs spanning up to 60m.

We have been present on the market for
37 years

Highest
quality

5,8 Own capital of ***mln zł***

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OUR ASSETS

Why Pol-Plan?

25% costs of building an object using traditional technology

The technology based on the use of aluminium profiles allows to achieve long-term durability and the required construction parameters (wind and snow loads) at very attractive prices.

Installation of a big object even in 1 day!

Unique durability

The constructions are long-lasting with span up to 60m and their durability is comparable to halls constructed using traditional technology.

Mobility of the construction

We work globally

The quality of our tent halls has been recognized by clients from all over the world. SPITSBERGEN, OMAN, NORWAY, SAUDI ARABIA, RUSSIA, GREECE, FRANCE, GERMANY, GREAT BRITAN, SPAIN, HOLLAND, ITALY

Possibilities to adapt and expand

TECHNOLOGY

Highest quality in every detail

Pol-plan tent halls are set up based on innovative constructions using anodize aluminium*, which guarantees durability, safety, ease of installation and versatility of application.

*span up to 15m / upon request

In contrast to halls based on steel constructions, our halls are better secured against corrosion, with equal durability and stability, while being notably lighter, which allows to classify them as mobile constructions (installation time of 1-3 days).

Quality, stability of construction, safety

Caring for detail, use of proven construction solutions and attested materials, guaranteed durability and stability of the tent halls without any supports allows to use the total work volume of the hall.

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Durable aluminum-based construction

Tent halls from anodized aluminium guarantee a light construction, excellent durability and resistance to atmospheric conditions.

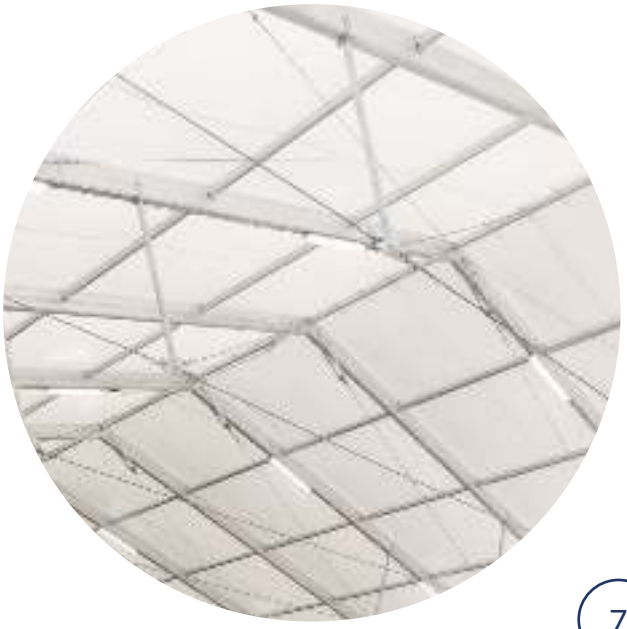
Rapid installation, even in a single day

Articulated folding supports enable easy installation without the necessity to use high cranes. Standard tent halls and pavilions are installed in 20 minutes, while storage tents with an area of 1000m^2 in one day.

Please see a sample video at:
www.pol-plan-halls.co.uk

Ease of expanding the hall – innovative segments.

The module-based construction allows to combine tent halls in any configurations, including storeys, and expand the constructions by addition of further segments.



Tailor made
TENT HALLS

The highest quality attested materials of renowned companies

PVC Material

In the basic option the sheathing of the tent halls may be made from a durable and hardly flammable PVC with a weight of 670 – 900g/m^2, which ensures protection for stored materials for a period of at least several years. The significant advantages of this solution is the possibility to easily employ cheap repairs and transmission of light, which allows to save electric energy during the day.

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ABS plate

Durable plates made from polymers. Due to the aesthetics and ease of installation, the ABS plates are used in event and market halls.

Polycarbonate 6mm

Transparent walls fit perfectly in event, market and wedding tents.

Safety glass VSG 6mm

The glass panes are glued to a layer of foil, which prevents their shattering into sharp and dangerous shards.

Trapezoidal sheet T-35

The walls from trapezoidal sheets provide better protection for stored materials.

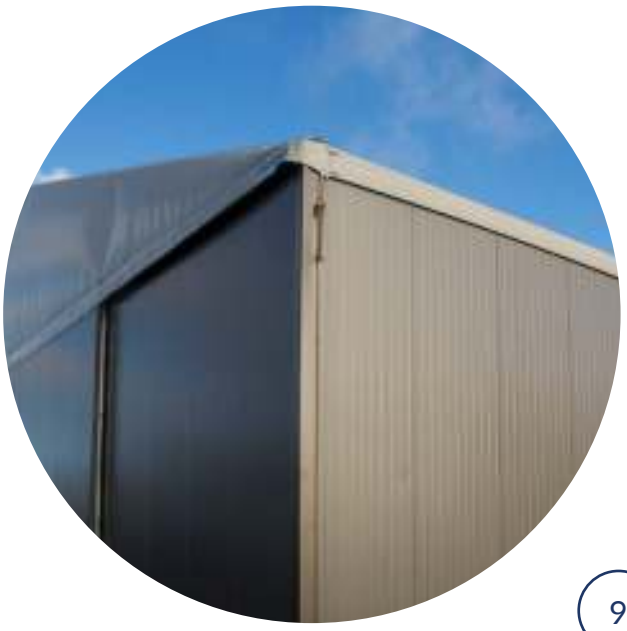
Layered plate with thermal insulation

We use layered plates in steel linings with excellent insulation parameters in different variants:

-with a polyurethane core,

- with a mineral wool core,

- with a polystyrene core.



PUMPED ROOF
WITH INCREASED THERMAL INSULATION

A pumped roof is another solution in terms of thermal insulated tent halls.

ADDITIONAL EQUIPMENT

Systems with sliding gates, doors, windows, floors and guttering.

Air, pressed between PVC membranes using a pump forms an additional insulation layer. Additionally, the pumped roof facilitates the removal of residual snow and prevents condensation.

Tent halls may be equipped with different heating and ventilation systems: HVAC air handling units, infrared heaters.

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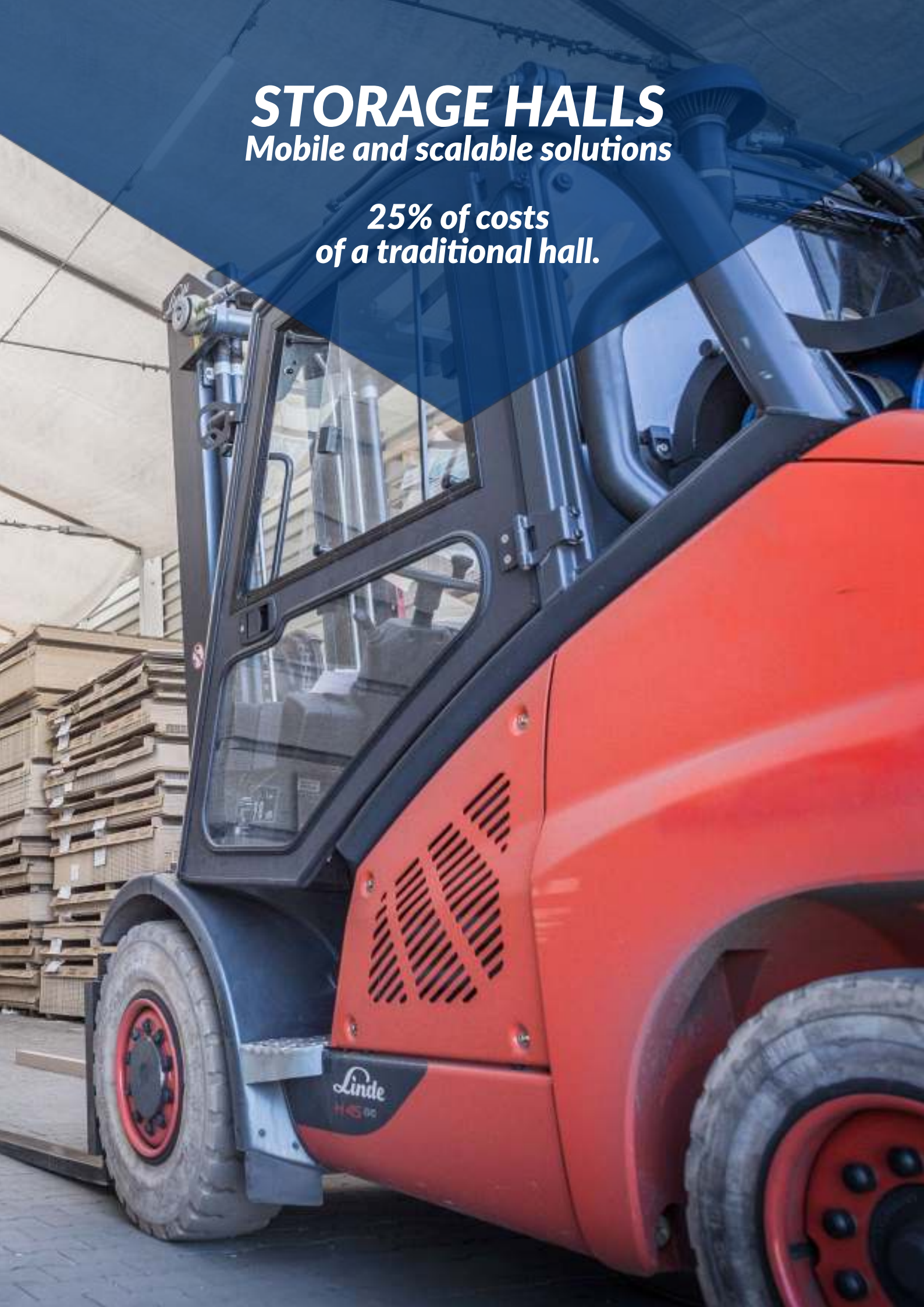
STORAGE HALLS

Mobile and scalable solutions

25% of costs
of a traditional hall.



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STORAGE HALLS

Scalable and mobile solutions for storage

STORAGE HALLS

How to increase a storage area in a rapid and cheap manner?

The storage tent halls may be easily expanded by adding further segments and combining them into complex objects.

How to increase a storage area in a rapid and cheap manner?

By erecting a tent hall, which does not require solid fundaments and is capable to meet every expectation for storage halls in terms of functionality. The storage halls are erected based on innovative constructions from anodized aluminium, which guarantees durability, safety, ease of installation and diversity of usage.

Due to rapid installation (1 – 2 days) and durability, the storage halls based on tent halls are a financially-attractive investment.

The tent halls fully meet the criteria of traditional buildings in terms of functionality and serve as a cost-effective alternative.

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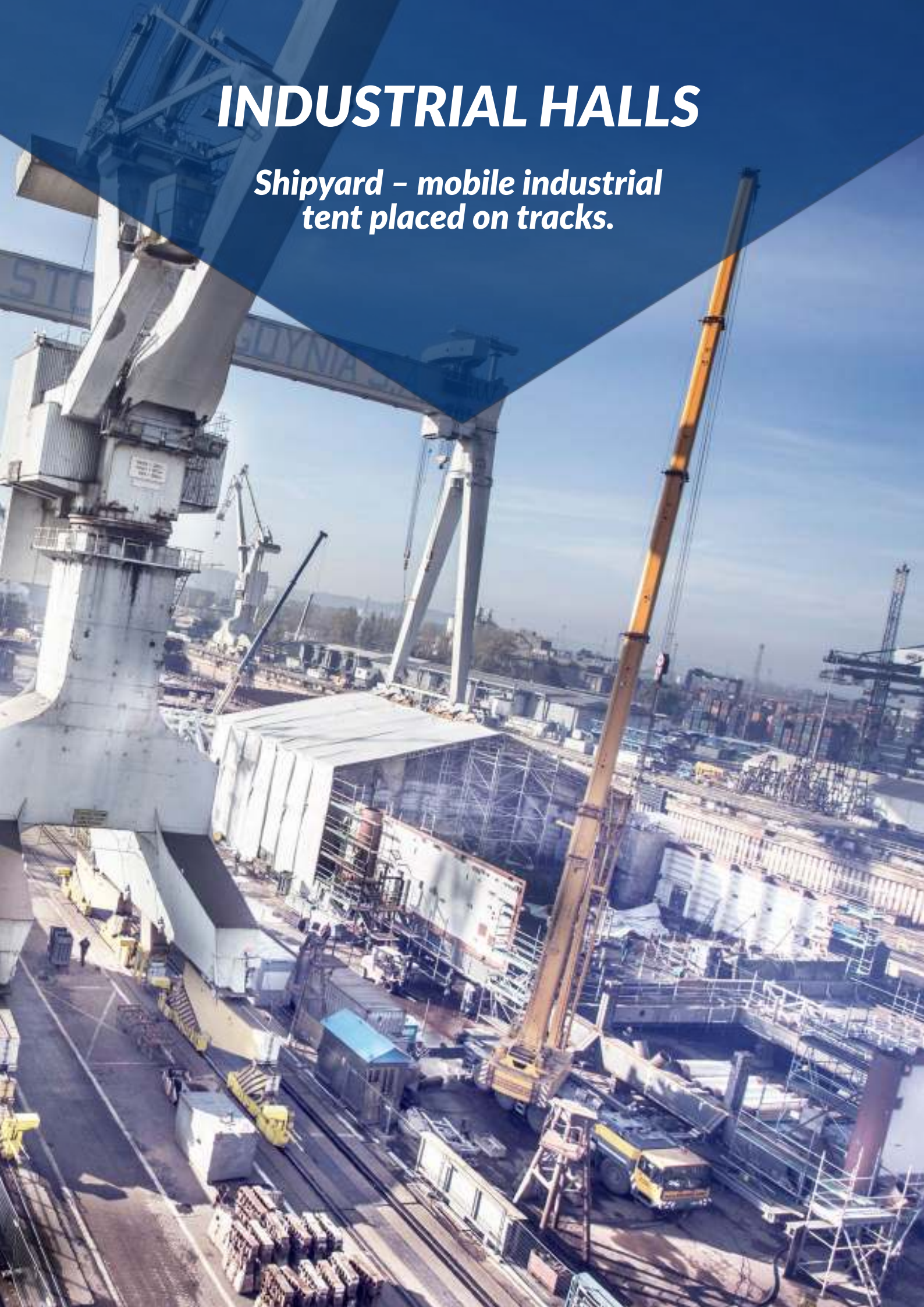
INDUSTRIAL HALLS

Shipyard – mobile industrial tent placed on tracks.



INDUSTRIAL HALLS

Industrial halls are used for production with low requirements in terms of thermal conditions:

- production and large-industrial paintworks (shipyard), blasting of steel elements
- welding
- securing construction works
- food sorting
- car washing services
- waste sorting

Installation and disassembly of industrial tent halls usually lasts from a single day to several days, which allows to achieve significantly functional securing of areas from unfavourable atmospheric conditions during seasonal works, e.g. road works, which require mobility as the work proceeds.

The production hall can be equipped with a gantry crane.

GUARANTEED DURIABILITY AND SAFETY

(snow load up to 300 kg/m^2)

The production hall with a gantry crane.

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SHIPYARDS

Production hall

AIR HANGARS

Tent halls perfectly function as air hangars for planes, helicopters, gliders or gyroplanes.

Even in the basic option – with a hardly flammable PVC sheathing, they are fully functional hangars which are a cost attractive alternative for steel and concrete constructions. Pol-Plan installs tent halls with a span of 60m and a height of 20m, which allows to store different aircrafts.

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AIR HANGARS

AGRICULTURAL HALLS

We offer agricultural halls which cover the entire spectrum of possible applications in agriculture:
livestock buildings (cowsheds, hen houses, pigpens), crop storage halls (cold storage and freezing), fruit and vegetable sorting halls, warehouses for agricultural equipment.

Specific needs associated with livestock breeding or storing specific agricultural crops influence the design assumptions of the agricultural storage hall and additional equipment and feeders.

HALLS FOR HORSES

Halls for horses play an important role in the Pol-Plan offer of tent halls. Throughout the years we have realized several different types of equestrian facilities all over Europe. This includes stables, halls designed for demonstrations, equestrian competitions as well as riding halls (as well as round halls).

Covered riding halls and training halls create an atmosphere of safety for the horse and the rider, which create the necessary isolation from the surroundings. Everyday training sessions and horse riding lessons may be conducted under comfortable conditions with no regard to weather conditions. This is a perfect alternative for costly horse riding facilities and stables built in the traditional brick system, from solid wool and steel alloys.

RIDING HALLS

Lunging halls – round-shaped riding halls or lounges with diameter of 15 - 25 m and height of the side walls 3m are a specific type of halls for horses in the Pol-Plan offer.

Shape of the arena in any size allows for safe training in the lounge.

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LUNGING HALL

20m diameter
Walls made of pine boards,
PVC net screens windows

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HALLS FOR HORSES

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MOBILE STABLES

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SPORT HALLS CES

Span up to 60m

SPORT HALLS CES

Tent halls perfectly fit the role of permanent roofing for tennis courts, ice rinks, sport fields and swimming pools. All functional parameters of Pol-Plan tent halls fully meet the criteria of sport objects.

ICE RINKS

CANOEING TRACKS

Among the realized projects, the roofing of the track for canoeing training in Cracow is very distinct. The tent hall is equipped with a heating and lighting system, which allows for training at a 200m track under comfortable conditions even in the autumn-winter period.

TENNIS COURTS

GAMBREL HALLS

Scalable and mobile solutions for storage

The construction of a gambrel hall with a hipper roof allow to naturally achieve very good snow load values. The achievement of above-average weight free from strengthening concentrations allow to meet the requirements set for sport halls, which allow to practice team sports, such as: basket ball, volley ball, hall soccer ball, tennis or hockey (roofing of ice rinks).

Higher roof vaulting in the hall allows for the installation of lighting and other systems under very safe areas of the roof which are protected from damage. The high location of light sources also enables more optimal – natural spreading of the light, and the use of reflection lighting directed at the roof allows to achieve a natural light-scattering effect. This contributes to comfortable conditions for practicing sport without unpleasant and sometimes even dangerous exposition to strong, single point light sources.

(snow load up to 120 – 150 kg/m^2)

ARCHED HALLS CRS

Arched tent halls are dedicated especially to companies which offer event/party tents for rent.

Due to the arched construction of the roof without the use of lines, the area below the roof is fully available (a solution for low snow loads).

The arched roof elements may be used interchangeably with classic elements.

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ARCHED EVENT HALL CRS

Walls made of special safety glass VSG

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ORANGERY

Walls made of special safety glass VSG

PARTY TENTS

Modern party tents offered by Pol-Plan are designed for every type of event – perfect for use as larger beer gardens, display object during mass events, marquees for fairs or temporary commercial pavilions and conference halls.

Functional and aesthetic tents may play the role of roofing for catering and dance scenes, e.g. during a wedding (wedding tents) or corporate events.

PARTY TENTS

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WEDDING TENTS

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PARTY PAVILIONS

PARTY PAVILIONS

Tent pavilions or event tents are very easy to install and work perfectly outdoors as functional roofing for mass events or fairs and simultaneously have an advertising function (presentation of logo, company branding). These small tent forms are visually attractive due to the finesse of roof construction, high area of side walls.

Pavilions are tents with a:

- square base of 3 m, 4 m, 5 m and 6 m,
- hexagon base with a wall length of 3 m, 4 m, 5 m or
- octagon base with a wall length of 3.3 m.

Standard

Hexagon

High

Octagon

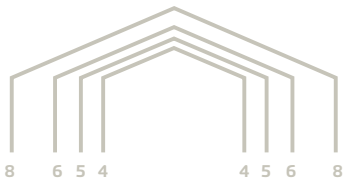
Possibility to configure.

Functional pavilions may be combined into any configurations.

Technical specifications

ALFA

spread 4 - 10m,
height of the side wall 3m,
segment spacing every 3m



CONSTRUCTION:

Main construction molding 94.2 x 47.3 x 2.4mm, pressed from 6061 T6 aluminum alloy, the molding was anodized in accordance with QUALANOD: 2004

LINKERS:

Steel linkers mare from S355 alloy sections, welded in accordance with the SLV DIN 18800-7 certificate, dip galvanized in accordance with the PN EN ISO 1461 standard

ROOF COVER:

Tarpaulin PCV material with a weight of 670 g/m² non-combustible in accordance with the standard EN 13501-1

SIDE WALL CASTING:

PCV material Dip galvanized and coated trapezoidal plate in the T-35 profile color, 0.5mm Double layer disc filled with polyurethane foam, 60mm

BETA I

spread 10 -15m,
height of the side wall 4m,
segment spacing every 5m

CONSTRUCTION:

Main construction molding 150mm x 100mm, pressed from 6061 T6 aluminum alloy, the molding was anodized in accordance with QUALANOD: 2004

LINKERS:

Steel linkers mare from S355 alloy sections, welded in accordance with the SLV DIN 18800-7 certificate, dip galvanized in accordance with the PN EN ISO 1461 standard

ROOF COVER:

Tarpaulin PCV material with a weight of 670 g/m² non-combustible in accordance with the standard EN 13501-1

SIDE WALL CASTING:

PCV material Dip galvanized and coated trapezoidal plate in the T-35 profile color, 0.5mm Double layer disc filled with polyurethane foam, 60mm

BETA II/III

spread 10 -15m,
height of the side wall 5m,
segment spacing every 5m

CONSTRUCTION:

Main construction molding 170mm x 88mm or 214 x 100mm, pressed from 6061 T6 aluminum alloy, the molding was anodized in accordance with QUALANOD: 2004

LINKERS:

Steel linkers mare from S355 alloy sections, welded in accordance with the SLV DIN 18800-7 certificate, dip galvanized in accordance with the PN EN ISO 1461 standard

ROOF COVER:

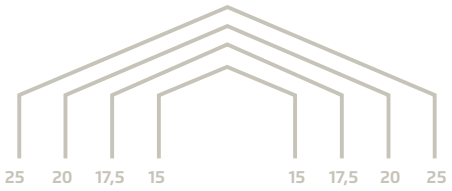
Tarpaulin PCV material with a weight of 670 g/m² non-combustible in accordance with the standard EN 13501-1

SIDE WALL CASTING:

PCV material Dip galvanized and coated trapezoidal plate in the T-35 profile color, 0.5mm Double layer disc filled with polyurethane foam, 60mm

GAMMA I/I+

spread 15 - 25m,
height of the side wall 6m,
segment spacing every 5m



CONSTRUCTION:

Main construction molding 253 x 131mm, pressed from 6061 T6 aluminum alloy, for event purposes it is possible to make anodized profiles GAMMA 1+ 253x131mm

LINKERS:

Steel linkers mare from S355 alloy sections, welded in accordance with the SLV DIN 18800-7 certificate, dip galvanized in accordance with the PN EN ISO 1461 standard

ROOF COVER:

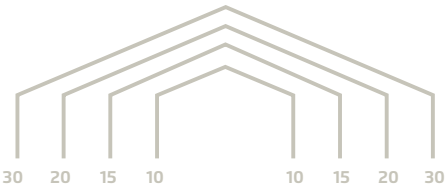
Tarpaulin PCV material with a weight of 670 - 900 g/m^2 non-combustible in accordance with the standard EN 13501-1

SIDE WALL CASTING:

PCV material Dip galvanized and coated trapezoidal plate in the T-35 profile color, 0.5mm Double layer disc filled with polyurethane foam, 60mm

GAMMA II

spread 10 - 30m, selected sizes with TÜV certificate,
height of the side wall 6m,
segment spacing every 5m



CONSTRUCTION:

Main construction molding 307mm x 114mm, pressed from 6061 T6 aluminum alloy, for event purposes it is possible to make anodized profiles

LINKERS:

Steel linkers mare from S355 alloy sections, welded in accordance with the SLV DIN 18800-7 certificate, dip galvanized in accordance with the PN EN ISO 1461 standard

ROOF COVER:

Tarpaulin PCV material with a weight of 670 - 900 g/m^2 non-combustible in accordance with the standard EN 13501-1

SIDE WALL CASTING:

PCV material Dip galvanized and coated trapezoidal plate in the T-35 profile color, 0.5mm Double layer disc filled with polyurethane foam, 60mm

DELTA I/I+

spread 30 - 40m,
height of the side wall 6m,
segment spacing every 5m

CONSTRUCTION:

Main construction molding 304 x 136mm or 314 x 122mm, pressed from 6061 T6 and 6082 T6 aluminum alloy, for event purposes it is possible to make anodized profiles

LINKERS:

Steel linkers mare from S355 alloy sections, welded in accordance with the SLV DIN 18800-7 certificate, dip galvanized in accordance with the PN EN ISO 1461 standard

ROOF COVER:

Tarpaulin PCV material with a weight of 670 - 900 g/m^2 non-combustible in accordance with the standard EN 13501-1

SIDE WALL CASTING:

PCV material Dip galvanized and coated trapezoidal plate in the T-35 profile color, 0.5mm Double layer disc filled with polyurethane foam, 60mm

DELTA II

spread 40 - 60m,
height of the side wall 4m,
segment spacing every 5m

CONSTRUCTION:

Main construction molding 460 x 170mm, pressed from 6061 T6 and 6082 T6 aluminum alloy, for event purposes it is possible to make anodized profiles

LINKERS:

Steel linkers mare from S355 alloy sections, welded in accordance with the SLV DIN 18800-7 certificate, dip galvanized in accordance with the PN EN ISO 1461 standard

ROOF COVER:

Tarpaulin PCV material with a weight of 670 - 900 g/m^2 non-combustible in accordance with the standard EN 13501-1

SIDE WALL CASTING:

PCV material Dip galvanized and coated trapezoidal plate in the T-35 profile color, 0.5mm Double layer disc filled with polyurethane foam, 60mm

CES

spread 20 - 35m,
segment spacing every 5m

CONSTRUCTION:

Main construction molding 304 x 136mm or 314 x 122mm, pressed from 6061 T6 and 6082 T6 aluminum alloy, for event purposes it is possible to make anodized profiles

LINKERS:

Steel linkers mare from S355 alloy sections, welded in accordance with the SLV DIN 18800-7 certificate, dip galvanized in accordance with the PN EN ISO 1461 standard

ROOF COVER:

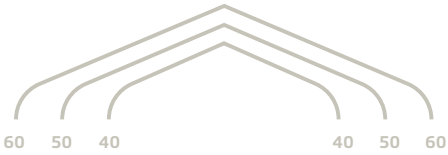
Tarpaulin PCV material with a weight of 670 - 900 g/m^2 non-combustible in accordance with the standard EN 13501-1

SIDE WALL CASTING:

PCV

CES

spread 40 - 60m,
segment spacing every 5m



CONSTRUCTION:

Main construction molding 460 x 170mm, pressed from 6061 T6 and 6082 T6 aluminum alloy, for event purposes it is possible to make anodized profiles

LINKERS:

Steel linkers mare from S355 alloy sections, welded in accordance with the SLV DIN 18800-7 certificate, dip galvanized in accordance with the PN EN ISO 1461 standard

ROOF COVER:

Tarpaulin PCV material with a weight of 670 - 900 g/m^2 non-combustible in accordance with the standard EN 13501-1

SIDE WALL CASTING:

PCV

PVC tarpaulin materials from leading manufacturers

PVC tarpaulin fabric Standard

Durable PVC tent fabric, non-flammable, protected against mould. Lacquered surface on both sides of the fabric ensures that natural light enters the inside of the hall.
Weight: 670 g/m²
Resistance to further tearing: 300/280 N
Tensile strength: 3000/2800 N / 5cm

PVC tarpaulin fabric Opaque

Durable PVC tent fabric, non-flammable, protected against mould. Lacquered surface on both sides of the fabric with a black light-blocking layer significantly limits the transmittance of natural light into the hall (including the UV spectrum).
Weight: 780 g/m²
Resistance to further tearing: 300/280 N
Tensile strength: 3000/2800 N / 5cm

PVC tarpaulin fabric Heavy

Very durable PVC tent fabric used as sheathing of roof and side walls in big tent halls, non-flammable in accordance with the EN 13501-1 standard, protected against mould. Lacquered surface on both sides of the fabric.
Weight: 900 g/m²
Resistance to further tearing: 600/530 N
Tensile strength: 4300/4000 N / 5cm

Anti-condensation membrane

Weight: 135 g/m²
Water vapor permeability: 40 ≥ g/m² /24h
Fire class: E
Tensile strength: 300N / 5cm

PVC tarpaulin fabric Thermofoam

Durable PVC tent fabric with a thermal insulation foam used for roofs of tent halls, non-flammable in accordance with the EN 13501-1 standard, protected against mould.
Heat transfer coefficient: 0.08 W/m²K
Weight: 1300 g/m²
Resistance to further tearing: 300/280 N
Tensile strength: 3000/2800 N / 5cm

Benedykt i Rafał Bródka "POL-PLAN" Zakład Produkcji Plandek Spółka Jawna

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