

## TECHNICAL SPECIFICATIONS - CANOPIES AND DOMES

### STEEL FRAME AND MODULAR DESIGN

Hot-dip galvanised steel frames provide a strong, corrosion-free structure conforming with BS 6399 Building Regulations (snow and wind loadings) - and engineered to last.

The design of both canopy and warehouse cover is such that length is unlimited, restricted only by the customer's requirements and availability of space.

There is always a fixed frame at the front and rear of each structure, unless rear-wall-mounted.

Between the frames, an unlimited number of roof trusses or steel frames can be fitted to increase the length of the building.

### CANOPIES

Canopies have steel posts linked by pantographs which operate, using a scissor action, enabling the canopy to fold or extend. If retraction is not required, canopies can be tensioned in the extended position.

The posts have corrosion-proof ball bearing wheels fitted and run on rails bolted to the ground. Brackets prevent uplift. This system allows manual opening and closing of all spans.

The roof can be monopitch or double-pitched using standard-sized roof trusses.

Steel frames are fixed at the front and rear to strengthen the canopy and secure the curtain-style doors. In rear-wall-mounted applications, the end frame can be omitted if the canopy is attached to an existing structure.

**Standard canopy spans** are 4.5m, 6.5m, and from 9m to 24m in 3m steps. Standard 4.3m or 5m heights are sufficient to cover most European lorries. Alternative spans and heights can be produced. Any length can be specified.

### WAREHOUSE DOMES

Warehouse domes are constructed using pre-formed sections which are bolted together.

Telescopic models are divided into four sections: the outer two sections are fixed

and do not move; the central two sections are slightly larger, enabling them to slide back over the outer sections when opening. An effective weather seal is formed between the sections.

**Standard warehouse dome spans** extend from 18m to 36m. The internal height rises quickly at the sides to a central height of 9m for smaller spans, 10m for the greater spans. Any length can be specified.

### COVER

All buildings are covered with a heavy duty, flame-retardant PVC-coated polyester fabric which provides protection against the elements, is abrasion resistant and tested to British Standard BS 5438 (flame retardancy).

Buildings can also be clad with rigid PVC or steel panels if required.

### FOUNDATIONS

CopriSystems' canopies require minimal foundations.

The structures can usually be secured to an existing concrete base. Alternatively,

concrete strip beams can be constructed and the rails incorporated. Beam dimensions depend on building size, topographical and wind conditions. CopriSystems will supply a specification of the ground beam if required.

A concrete ring beam may be required for the larger domes. Alternatively, CopriSystems can supply purpose-made concrete blocks for surface anchoring to indifferent surfaces.

### WIND AND SNOW LOADINGS

All buildings are wind and snow load tested to British Standard BS 6399.

### RAPID CONSTRUCTION

Canopies can be installed, fully functional and **operational usually within eight weeks** from order. Once manufactured and delivered on site, a small or medium sized canopy can be **erected in a matter of days** on an existing concrete base.

Domes can be erected within two weeks to a prepared concrete base.

5.0m  
4.3m



4.5m span



6.5m span



9m span



12m span



15m span

5.0m Internal clearance  
4.3m Internal clearance

*Non standard heights and spans are available on request. Lengths unlimited.*



## PLANNING PERMISSION

CopriSystems can supply a copy of professional advice regarding planning requirements. Customers should satisfy themselves of the requirements of their particular circumstances.

CopriSystems can make planning applications on behalf of customers.

## COLOURS

The cover is supplied in standard colours of goosewing grey, cream, green, black, or white.

Combinations of colours are possible, with a lighter roof giving greater translucency to natural light.

Other colours can be specified.

## GROUND LEVELS

Although a flat level plane is the ideal surface for the canopy, provisions can be made for installation on sloping ground – providing the fall is not too great. The canopy may not be able to retract if the slope prohibits it.

## DRAINAGE

The design of the cover is such that it will direct water off and away from the canopy. However, if it is felt additional drainage is required, this can be discussed with the customer and provision made.

## SEALS & GUTTERS

Canopies can be designed to attach to or stand against an existing building.

Steel posts are bolted to the existing building wall to secure the canopy. The cover is then flashed to the existing building forming an effective seal between the cover and the existing building.

Gutter requirements are reviewed on all sidewall-mounted installations and guttering installed to suit each building type.

## MECHANICAL AND ELECTRICAL OPERATIONS

3-phase electric operation can be specified. This is standard for telescopic warehouse covers.

Electric opening of front and rear curtain style doors is also possible.

The design of both the canopy and warehouse is such that opening the curtain doors and folding the canopy back to a fully retracted position is easily achieved by two people.

## DOORS AND WINDOWS

Any number and type of doors and windows can be fitted to the building as required. The building design will be tailored accordingly. Options include standard fire and personnel doors, roller shutter doors, swing doors and fast action doors. Dock Shelters can also be added.

## DIVIDING CURTAINS

Dividing curtains can be incorporated into the design.

## SERVICE

UK-wide service teams provide fast and efficient support, dealing with maintenance or repair issues when required.

Service contracts can be tailored to indi-

vidual customer needs.

CopriSystems aims to provide a first rate customer service at all times. The customer's needs, the upkeep of the product and the reputation of the Company are paramount.

## GUARANTEE

(Subject to conditions)

The CopriSystems steel frames are guaranteed for ten years.

The fabric cover is guaranteed for five years.

## SALES & RENTALS

As an alternative to purchase, CopriSystems' Covering Systems can be rented (depending on size) from 3 months up to 5 years, with Lease/Purchase as an option.

5.0m Internal clearance

4.3m Internal clearance

Non standard heights and spans are available on request. Lengths unlimited.



18m span

21m span

24m span

