

Column Casing Solutions



Don't just cover it **n-case** it.

ABOUT US



With more than 20 years direct experience in the sales and support of column casing systems and associated technologies, our knowledge and expertise enables us to provide the widest range and most cost effective encasement solutions.

As a result, Encasement products are used extensively in public buildings, commercial offices, hotels and the leisure sector together with universities, academies and schools, as part of the Building Schools for the Future programme.

The scope of materials available within our decorative casings range is exceptionally wide and includes pre-formed plywood, steel, aluminium and stainless steel casings alongside our GRP and GRG ranges.

These, together with the Lamina compact laminate casings and the Metza range for mezzanine floor systems, provide specifiers, contractors and installers with the widest range of column casing solutions available in the UK.

We also maintain strict quality control on every aspect of our products from sourcing the raw materials through manufacturing to packaging and transit protection.

Every facet of our production and supply process is designed to ensure we maintain high standards and maintain consistent quality of manufacture and supply across our entire column casings range.

High quality products, competitive pricing and next day delivery on standard items are all part of our value for money assurance to customers, which is backed by our extensive experience and commitment to service.

This customer centred approach, excellent service and attention to detail are all key reasons why our products are specified and installed on an increasingly broad range of projects, where high quality, cost effective casing solutions are required.



RANGE OVERVIEW

Circa



Pre-formed plywood. Circular and semi-circular casings in a wide range of standard and custom sizes for interior applications.

Quadra



Pre-formed plywood. Square and rectangular casings in a wide range of standard and custom sizes for interior applications.

Lamina



High pressure compact laminate. Circular, square, rectangular and custom shapes in a range of highly durable finishes for interior applications.

Forma



Metal casings manufactured from aluminium, stainless steel and steel for exterior and interior applications.

Polyma GRP & Gypra GRG



Moulded glass reinforced polymer (GRP) for interior and exteriors, with glass reinforced gypsum (GRG) for interior applications.

Metza

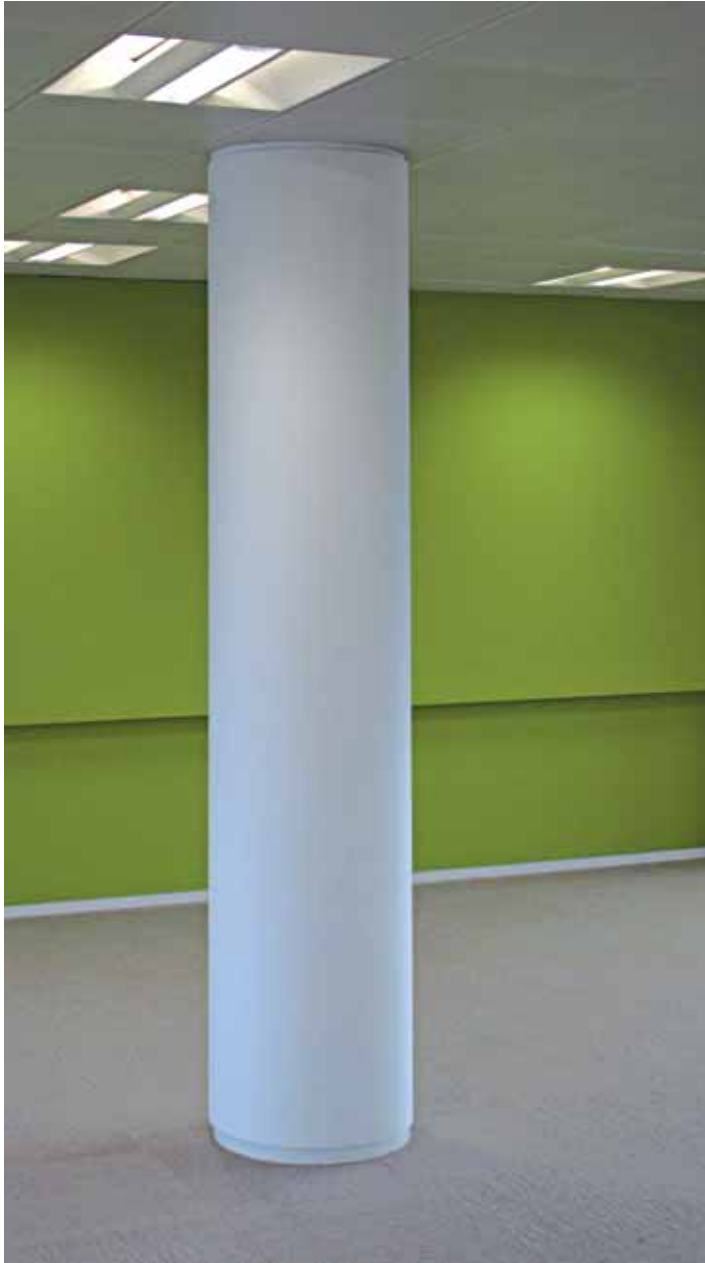


Fire resistant casings specifically designed for use with mezzanine floor installations.

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Overview



The n-case Circa range of circular pre-formed ply column casings provide probably the simplest, quickest and most cost-effective method of enclosing structural steel columns within buildings.

Covering diameters from 250mm to 1000mm, Circa column casings are available in a choice of laminated or real wood veneer finishes as well as a plain option for on-site finishing. In addition, our 'ex-stock' products within the range can be delivered next working day.



Beyond this, the Circa Custom range provides even greater flexibility of design and finish to match the most demanding project specifications.

Also, Installation is quick and simple as there's no plastering necessary. Circa casings are a single fix dry trade solution which saves time on-site.

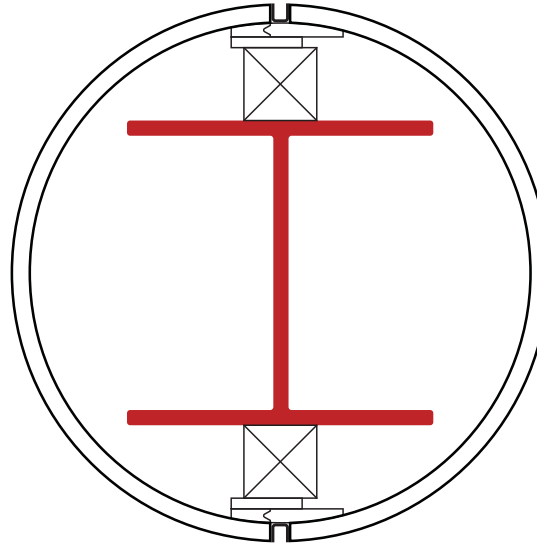
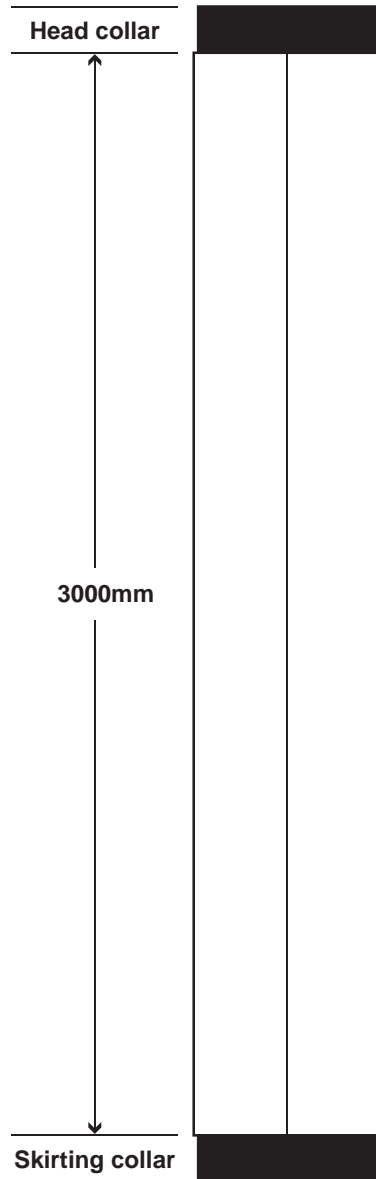


Key features

CIRCA

- Cost effective method of covering structural columns
- Standard column casing range available in 3m lengths
- Ex-stock - next working day delivery
- Choice of plain, laminated and veneer finishes
- Quick and easy to install
- Single fix dry trade solution

Specifications and technical data



Standard Specification Details

Type: Preformed plywood column casings
 Ref: Circa
 Size: 8mm thick, diameters 250mm-1000mm
 Standard Length: 3000mm
 Finish: Plain, laminate or veneer
 Joint Detail: Butt jointed or feature extrusion
 Accessories: Optional 200mm inner collar to the head or skirting

Circa Plywood Column Casings			
Internal Diameter (mm)	External Diameter (mm)	Standard Length (mm)	Ex-stock Next Day Delivery
250	266	3000	*
300	316	3000	*
350	366	3000	*
400	416	3000	*
450	466	3000	
500	516	3000	*
550	566	3000	
600	616	3000	*
650	666	3000	
750	766	3000	*
800	816	3000	
900	916	3000	
1000	1016	3000	

Circa column casings are manufactured in semi circles up to 650mm dia and as quarters from 750mm dia.

Manufacturer

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Overview



The n-case Quadra square and rectangular column casings maximise floor space by fitting closely to internal structural columns whilst allowing the maximum design flexibility in terms of the sizes and finishes available.

The range is available in standard sizes from 300mm to 600mm and can be configured in an almost unlimited choice of custom dimensions to meet precise project requirements where square or rectangular sections are required.

Quadra casings' versatility and design flexibility makes them suitable for use in a wide range of applications. They are already used in sectors such as education, retail, commercial and leisure.

Quadra column casings are available in a choice of standard white melamine, laminated or real wood veneer finishes.

Installation is also quick and simple as there's no plastering necessary. Quadra casings are a single fix dry trade solution which saves time on-site.

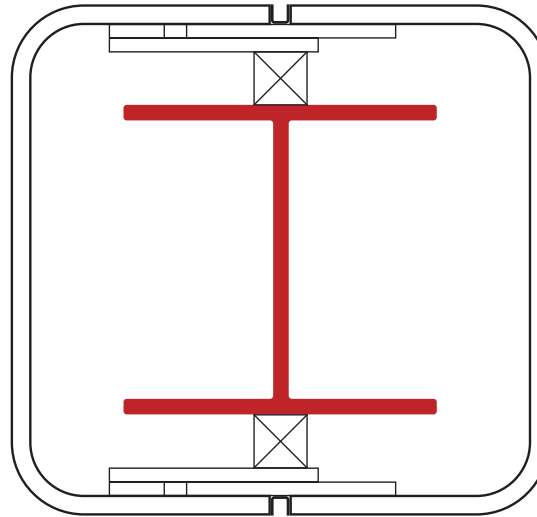
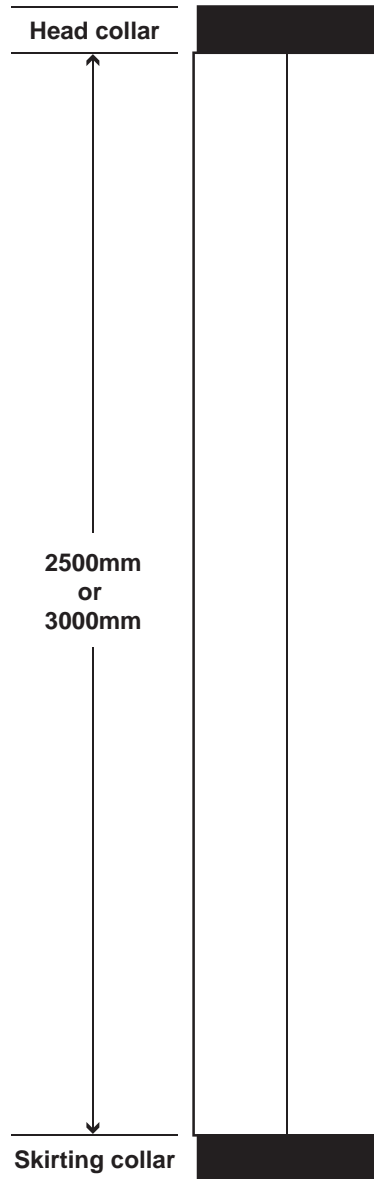


Key features

QUADRA

- Maximises use of floor space
- Cost effective method of covering structural columns
- Range of standard and custom sizes available
- Choice of melamine, laminated and veneer finishes
- Quick and easy to install
- Single fix dry trade solution

Specifications and technical data



Standard Specification Details

Type: Preformed plywood column casings
 Ref: Quadra
 Size: 8mm thick, 300mm-600mm
 Standard Length: 2500mm or 3000mm
 Finish: Melamine, laminate or veneer
 Joint Detail: Feature extrusion
 Accessories: Optional 200mm inner collar to the head or skirting

Quadra Plywood Column Casings			
Internal Size (mm)	External Size (mm)	Standard Length (mm)	Standard Length (mm)
252/252	300/300	2500	3000
302/302	350/350	2500	3000
352/352	400/400	2500	3000
402/402	450/450	2500	3000
452/452	500/500	2500	3000
502/502	550/550	2500	3000
552/552	600/600	2500	3000

n-case Quadra casings are available in a range of standard sizes and can also be manufactured in square and rectangular shapes to an almost unlimited choice of custom dimensions to meet precise installation and project requirements.

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Overview



The n-case Lamina column casings range brings a new dimension to column casing design and versatility.

Manufactured from high pressure compact laminate, incorporating an integral decorative outer surface, the Lamina range has the ability to be formed into virtually any column casing shape from circles, squares and rectangles to special ellipses and other custom designs.



Lamina casings are particularly well suited to high traffic areas and are already used in a diverse range of retail projects due to their high strength, durability, wear resistance and fire performance.

The Lamina colour range options are also extremely wide to enable maximum flexibility when specifying Lamina casing solutions.



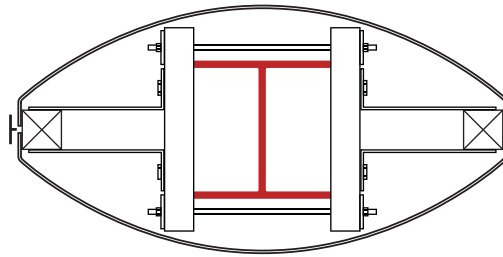
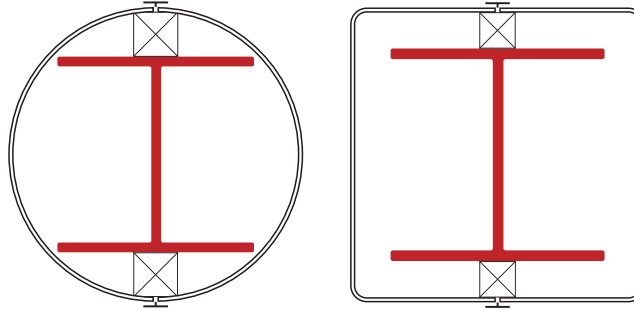
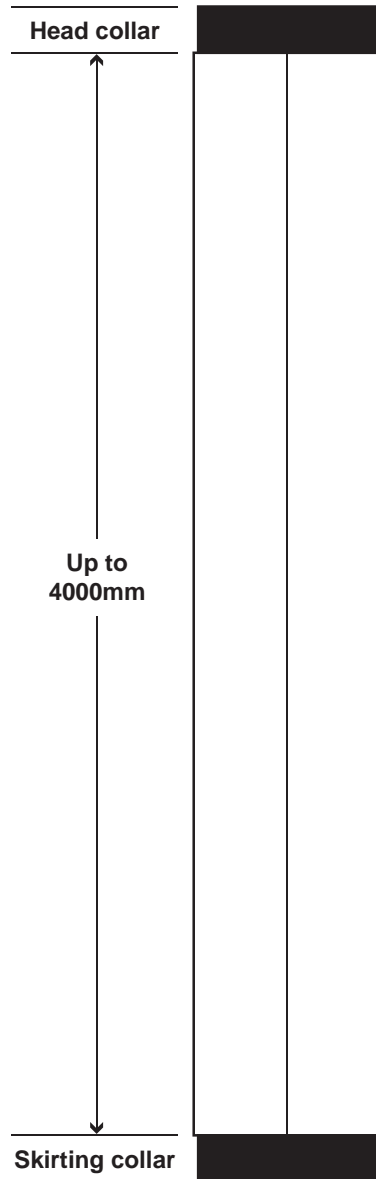
Alongside the broad range of standard solid colours, patterns and selected prints, additional custom colours and finishes are available to meet specific project requirements.

Key features

LAMINA

- Wide range of standard and custom shapes
- High durability makes Lamina ideal for high traffic areas
- Exceptional choice of finishes for design flexibility
- Up to 4 metres height in a single length
- Easily stacked to reach extended heights
- Highly aesthetic and versatile casing solution

Specifications and technical data



Standard Specification Details

Type: Compact laminate column casings
 Ref: Lamina
 Size: Custom sizes to meet project requirements
 Standard Length: up to 4000mm
 Finish: Compact laminate
 Joint Detail: Feature extrusion
 Accessories: Optional inner collar to the head or skirting

Size range

CIRCULAR

All Lamina casings are available from 250mm to 1000mm diameter in 50mm increments.

Header and skirting collars are manufactured to meet the specific needs of each individual project.

SQUARE AND RECTANGULAR

Casings are available from 250mm to 1000mm in 50mm increments.

The Standard corner radius is 50mm with custom sizes from and ranges from 40mm up 150mm.

Please contact our technical team to discuss your project specifications and dimensions in detail. Minimum order quantities may apply.

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Overview



The n-case Forma range of metal column casings includes a wide range of shapes incorporates circles, semi-circles, squares and rectangles.

Manufactured from aluminium, stainless steel and steel, Forma casings are available in thicknesses from 0.5mm to 3mm, depending on the profile and material selected and are ideally suited to 'custom' applications covering all shapes in the range.



Produced using precision bending techniques in diameters from 250mm to 1000mm as standard, Forma casings are flexible enough to make installation a simple and straightforward process.

Individual Forma casings can be used on projects with heights of up to 4 metres, while multiple casings can be stacked to reach extended heights.



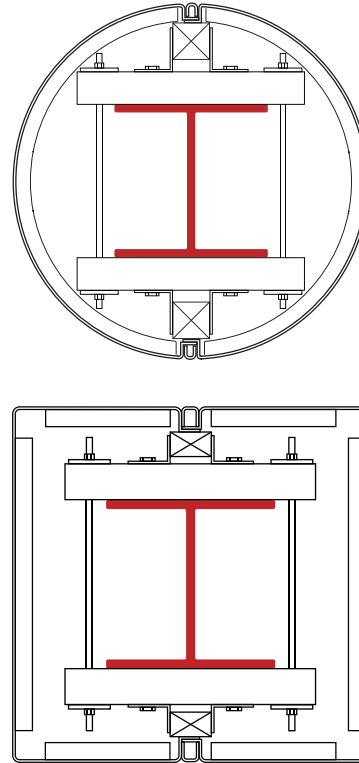
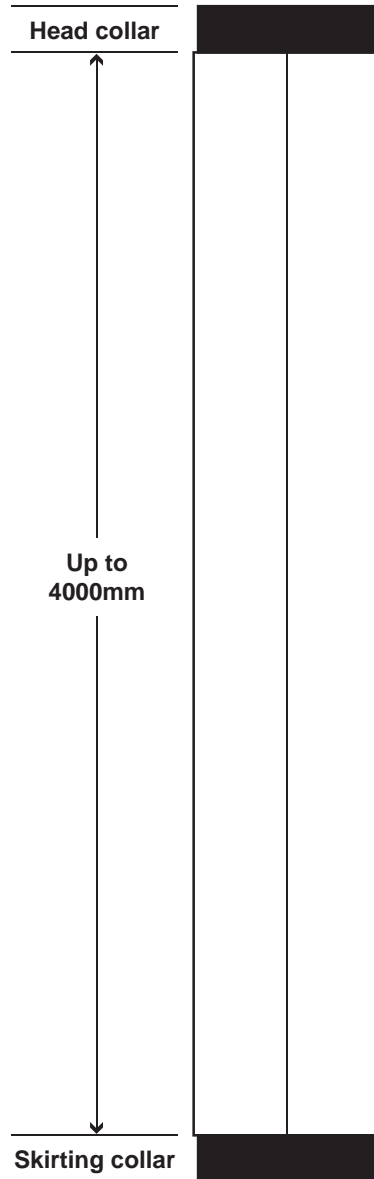
Alongside the standard sizes, our custom solutions allow complete freedom to explore design possibilities, yet enable you to also have total control of the materials, specifications, forms and finishes, giving you the ultimate in versatility, flexibility and choice.

Key features

FORMA

- Wide range of standard and custom shapes & sizes
- Suitable for interior and exterior use
- Exceptional choice of finishes for design flexibility
- Up to 4 metres height in a single length
- Easily stacked to reach extended heights

Specifications and technical data



Standard Specification Details

Type: Aluminium, stainless steel or steel casings
 Ref: Forma
 Size: 2mm thick
 Standard Length: Up to 4000mm
 Finish: Polished or Polyester Powder Coated Finish
 Joint Detail: Infill feature extrusion
 Accessories: Optional inner collar to the head or skirting

Forma Metal Column Casings			
Internal Diameter (mm)	External Diameter (mm)	Standard Length (mm)	Semi or Quarter Circles
246	250	up to 4000	Semi
296	300	up to 4000	Semi
346	350	up to 4000	Semi
396	400	up to 4000	Semi
446	450	up to 4000	Semi
496	500	up to 4000	Semi
546	550	up to 3000	Semi
596	600	up to 3000	Semi
646	650	up to 3000	Semi
696	700	up to 3000	Quarter
796	800	up to 3000	Quarter
896	900	up to 3000	Quarter
996	1000	up to 3000	Quarter

Custom sized circular, square and rectangular casings are also available in the range and are manufactured to meet specific project requirements.

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Overview



The n-case Polyma GRP and Gypra GRG column casing ranges provide immense versatility coupled with outstanding performance and easy installation.

n-case Polyma is a glass reinforced polymer casing solution suitable for both internal and external applications and possesses excellent resistance to weathering making it ideal for hostile environments.

A wide range of standard circular column casing sizes are available, but as Polyma casings are produced from a mould, this allows a high degree of versatility, enabling designers to specify custom shapes, sizes and surface finishes as well as a diverse range of RAL colours to meet the needs of specific projects.

Unlike Polyma, our Gypra casings are designed solely for interior use. Manufactured from glass reinforced gypsum, Gypra casings provide an excellent blend of simple installation, strength and versatility as well as fire resistance.

Where a smooth finish is required for on-site painting, Gypra casings provide a perfect solution, whether they are part of our standard range or custom made to meet individual project requirements.

An integral brushed aluminium or stainless steel skirting collar option is available to give increased protection, durability and wear resistance.



Key features

POLYMA

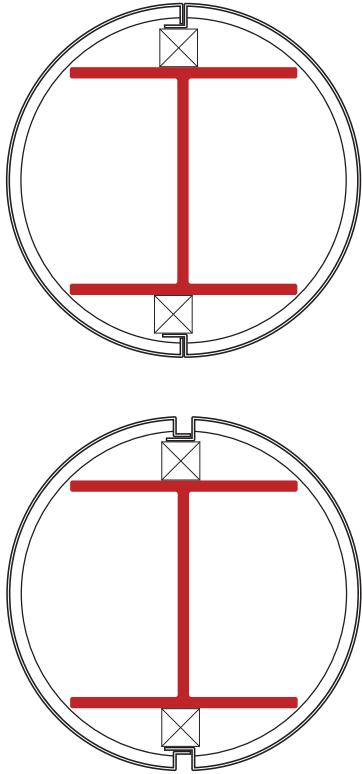
- External and internal use
- Wide range of standard and custom shapes & sizes
- High resistance to impact, damage and scuffing
- Easily stacked to reach extended heights

GYPRA

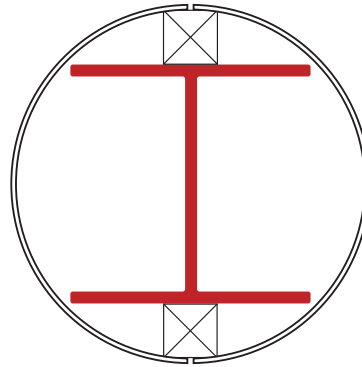
- Internal use only
- Designed for on site finishing

Specifications and technical data

Polyma



Gypra



An integral brushed aluminum or stainless steel skirting collar option is available to give increased protection, durability and wear resistance.

Standard Specification Details

Type: Glass reinforced polymer (GRP)
 Ref: Polyma
 Size: 4mm thick, diameters 250mm-1000mm
 Standard Length: upto 4000mm
 Finish: RAL or BS colour options
 Joint Detail: Butt jointed or shadow gap
 Accessories: Optional inner collar to the head or skirting

Standard Specification Details

Type: Glass reinforced gypsum (GRG)
 Ref: Gypra
 Size: 4mm thick, diameters 250mm-1000mm
 Standard Length: upto 4000mm
 Finish: Plain for on site decoration
 Joint Detail: Butt jointed and filled
 Accessories: Optional inner collar to the head or skirting

Polyma & Gypra Column Casings

Internal Diameter (mm)	External Diameter (mm)	Standard Length (mm)	Semi or Quarter Circles
250	258	4000	Semi
300	308	4000	Semi
350	358	4000	Semi
400	408	4000	Semi
450	458	4000	Semi
500	508	4000	Semi
550	558	3000	Semi
600	608	3000	Semi
650	658	3000	Semi
750	758	3000	Quarter
800	808	3000	Quarter
900	908	3000	Quarter
1000	1008	3000	Quarter

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Overview



The n-case Metza column casing range is designed specifically for use with mezzanine floor installations to protect the supporting columns with a purpose designed fire resistant casing.

Manufactured using an outer skin of coated steel, lined with a dense fire resistant Rocksilks matting, Metza casings are extremely simple to fit around structural steelwork columns and provide up to 3 hours fire protection.

Normally supplied as a four-sided casing to fully encase a mezzanine's structural columns, the casings incorporate a 'U' shaped channel onto which the separate fourth side snaps and locks into place using an integral joint. To simplify fitting when working close to walls or where access is restricted, the casings can also be supplied as two interlocking 'L' shaped profiles.

A range of finishes are available including polyester powder coating, PVC, PVF2 and 'Plastisol' colour coats as well as galvanised steel and foodsafe white. All Metza casings are designed and custom manufactured to meet the specific needs of individual projects and the environments in which they are used, to ensure compliance with the exact specifications and provide effective protection in the event of a fire.

Standard casings cover heights of up to 3.65 metres in a single length, although a dedicated jointing system is used to achieve longer lengths.

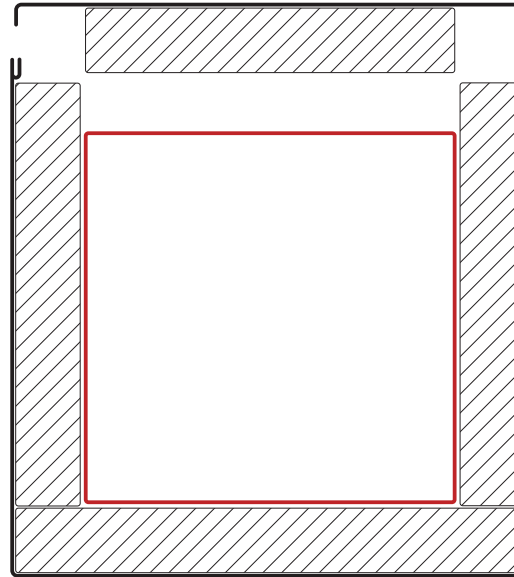
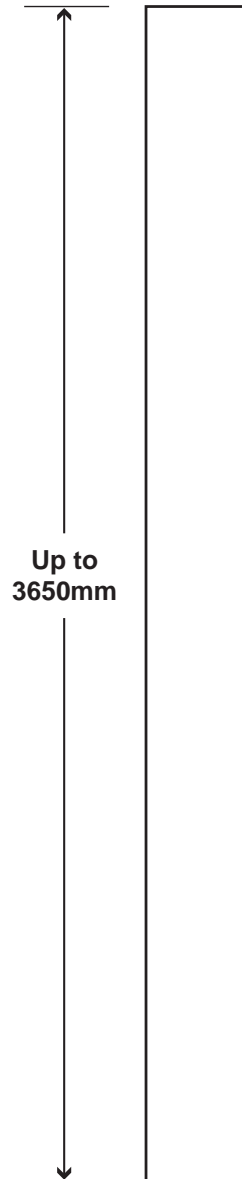


Key features

METZA

- Up to 3 hours fire protection for mezzanine floor columns
- Highly durable
- Aesthetic finish
- Quick and easy to install
- Wide range of finishes for design flexibility

Specifications and technical data



Standard Specification Details

Type: Mezzanine floor column casings
 Ref: Metza
 Size: 0.7mm thick
 Standard Length: Up to 3650mm
 Finish: PVC, PVF2, Platisol, galvanised and
 foodsafe white
 Joint Detail: Snap lock joints
 Fire rating: Up to 3 hours

Metza Mezzanine Floor Column Casings			
Square Hollow Section Size (mm)	External Casing Size (mm)	Thickness (mm)	Standard Length (mm)
70/70	130/130	0.7	up to 3650
80/80	140/140	0.7	up to 3650
90/90	150/150	0.7	up to 3650
100/100	160/160	0.7	up to 3650
120/120	160/160	0.7	up to 3650
150/150	190/190	0.7	up to 3650

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SCOPE OF FINISHES

Introduction

The choice of finishes within the n-case range provides a wide palette of textures and colours to meet most specifications and aesthetic requirements, while also integrating with interior and exterior building design.

Our column casing range encompasses a number of different materials, which also allows us to offer an exceptional range of finishes to meet specific aesthetic needs as well as individual project requirements, such as wear resistance and fire performance.

Within this guide, each product group has been identified separately and the corresponding finish options are listed within the selection table. The range is exceptionally wide, so for specific colours, applications or finish requirements, please contact our technical team on 01733 266 889.



Finishes range selection guide

Finish type	Casing type						
	Circa	Quadra	Lamina	Forma	Polyma	Gypra	Metza
Plain for on-site decoration	●					●	
Melamine white		●					
Laminated - plain	●	●	●				
Laminated - textured and wood grain	●	●	●				
Laminate - patterned	●	●	●				
Real wood veneers	●	●					
Galvanised steel				●			●
Stainless steel - brushed finish				●			
Stainless Steel - polished finish				●			
Aluminium - brushed finish				●			
Aluminium - anodised finish				●			
Coloured oxide tints				●			
Perforated patterns				●			
Embossed patterns				●			
PPC - RAL and BS colours				●	●		●
PVC coating - RAL & BS colours							●
PVF2 coating - RAL & BS colours							●
'Plastisol' coating - RAL & BS colours							●
Foodsafe white finish							●
Custom colours and finishes	●	●	●	●	●		●

To obtain further information on each of our individual finish ranges, please click on the relevant PDF download links on the right. If you would like to visit the individual manufacturers' websites, please click on the company logos on the left.

- [Formica Laminate Plain Colours pdf](#)
- [Formica Laminate Woodgrain Colours pdf](#)
- [Polyrey Laminate Plain Colours pdf](#)
- [Polyrey Laminate Woodgrain Colours pdf](#)
- [RAL Paint Finish Colour Chart pdf](#)

Circa & Quadra - pre-formed plywood casings



Circa




Quadra

Manufacture

Heat and pressure are applied to bond layers of plywood veneers with a finishing kraft paper and compensating balancer to produce a strong and lightweight profile, which retains consistent shape with good rigidity and integral strength.

The manufacturing process ensures that a low moisture content of around 7% is maintained to ensure greater stability.

To ensure an effective bond is achieved and the material retains high structural integrity, a type MR (moisture resistant) adhesive is used which conforms to British Standard 1204: 1979.

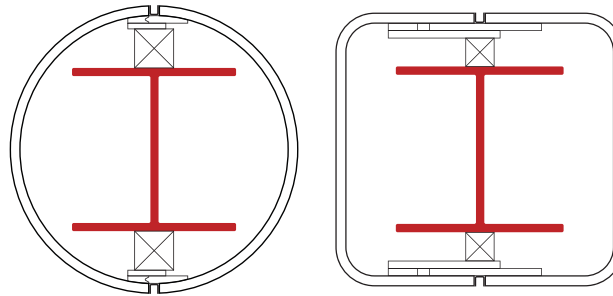
Alongside the standard plywood casings, we can also provide Circa and Quadra products manufactured using veneers produced from sustainable timbers. For further information, please visit our website. 

Installation

Circa and Quadra casings are secured to structural columns using timber fixing battens and screws as shown on the typical installation diagrams.

Various methods are available for concealing the fixings; including an aluminium feature joint or a black PVCu extrusion to create a 'shadow' gap.

Further options include a butt joint or 'penny joint', which can be filled on site and decorated to conceal the fixings.



Location and use

Circa and Quadra pre-formed plywood casings are extremely versatile and are designed primarily for interior use due to the nature of the materials and finishes used in their construction.

The immense scope of finishes available and the fact that they are durable, easy to install and cost effective, makes them one of the most popular methods column casing solutions.

Fire resistance and spread of flame

The substrate conforms to BS 476 part 7 class 2 spread of flame. When used in conjunction with a fire retardant laminate or lacquer bonded with an appropriate adhesive system conformance to class 1 spread of flame is achieved.


Two-year guarantee

All products in our Circa and Quadra range carry a two-year guarantee, as standard. This covers the casings against de-lamination of the plywood veneers and bonded decorative finishes when used under normal conditions and is effective from the date of purchase.

Finish options

A range of finishes is available to meet individual specifications, including plain casings for on-site decoration together with high pressure laminates for increased durability and improved aesthetics. Please refer to the 'Finishes' section on page 16 for more information.

Technical drawing downloads

A range of technical drawings in both PDF and DWG file formats are available from our website. Please click the link to visit our download page and select the drawings you require. 

Lamina – compact laminate casings



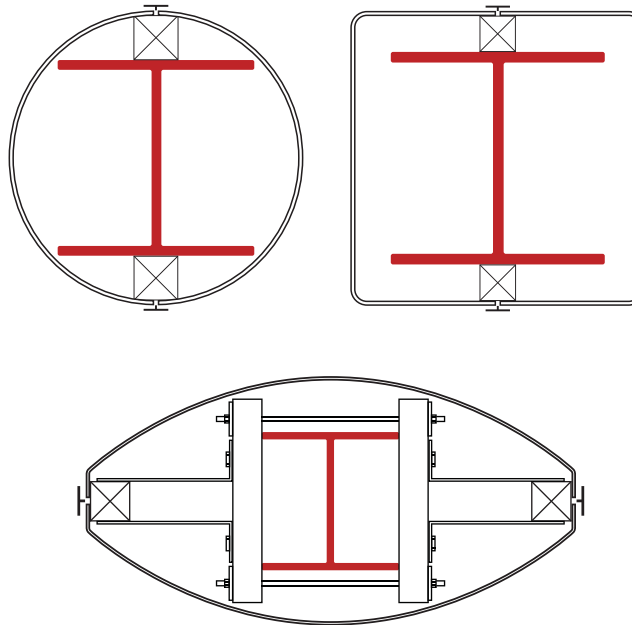
Manufacture

Lamina column casings are manufactured from 5mm thick high pressure compact laminate, which is formed to create a broad range of standard circular and square section column casings, while providing considerable versatility for the production of custom shapes, dimensions and finishes.

The range conforms to ISO 4586 and EN 438 standards for high pressure decorative laminates and the casings are produced by pressing melamine impregnated printed and solid colour surface papers over phenolic impregnated kraft sheets at temperatures of 150°C and pressures approaching 70 bar.

Installation

A support frame is secured to the column, providing a rigid, lightweight and easy to fit structure to which the casing is secured using screw fixings. All fixings are concealed using a colour matched or contrasting 'T' shaped decorative infill strip. This method is used as standard on all Lamina column casings.



Location and use

Lamina column casings are designed specifically for interior use and possess excellent wear and impact characteristics in addition to high resistance to moisture, chemical and organic solvents as well as the spread of flame.

Finish options

Alongside the broad range of standard plain colours, patterns and selected prints, additional custom colours and finishes are available to meet specific project requirements.

As colours cannot be rendered accurately in print or on screen, it is recommended that a laminate sample is used when specifying colours. Please refer to the 'Finishes' section on page 16 for more information.

Technical drawing downloads

A range of technical drawings in both PDF and DWG file formats are available from our website. Please click the link to visit our download page and select the drawings you require. [i](#)

Forma – metal casings



Manufacture

Manufactured from aluminium, stainless steel or steel, which forms a 2mm thick metal skin, the Forma range is designed for both interior and exterior use.

For additional support, a lightweight internal brace can also be supplied to give additional rigidity to the curved, square or rectangular sections.

The materials used in the Forma range conform to the following standards.

Aluminium – BS EN 485-2

Stainless steel – EN 10088-2 & BS EN 10259

Steel – BS EN 10051

Extruded products – BS EN 573 & BS EN 755

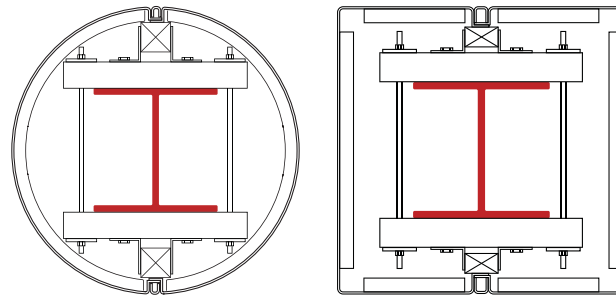
Fire performance

As Forma casings are manufactured from ferrous and non-ferrous metals, they can be regarded as non-combustible, achieving a Class 'O' spread of flame to BS 476-4.

Installation

A support frame is secured to the column, providing a rigid, lightweight and easy to fit structure to which the casing is secured using screw fixings.

All fixings are concealed using an extruded infill feature joint. This method is used as standard on all Forma column casings.



Location and use

Suitable for interior and exterior use, Forma casings are available in a range of shapes, including standard circular and square sections as well as custom shapes and dimensions to meet specific project requirements and installation needs.

Finish options

Polyester powder coatings and 'brushed' finishes are the most regularly specified, although a wide range of options is also available. In addition to patterned, embossed and perforated materials, Forma casings can also be specified with anodised, oxide tinted or polished finishes depending on the material selected.

The finishes used with the Forma range conform to the following standards.


Polyester powder coating to BS 6496/7 in any RAL or BS 4800/381C colour.

Polishing – BS1134 Part 1 – Assessment of surface texture.

Anodising – BS 3987 (25 Microns).

Please refer to the 'Finishes' section on page 16 for more information.

Technical drawing downloads

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Polyma – glass reinforced polymer casings



Manufacture

n-case Polyma GRP casings are manufactured using 'hand lay-up' and 'spray lay-up' moulding techniques depending on the nature of the specification and the number of casings required.

A 'Gel-coat' is used within the moulding process to ensure a high quality finish is maintained on the outer surface.

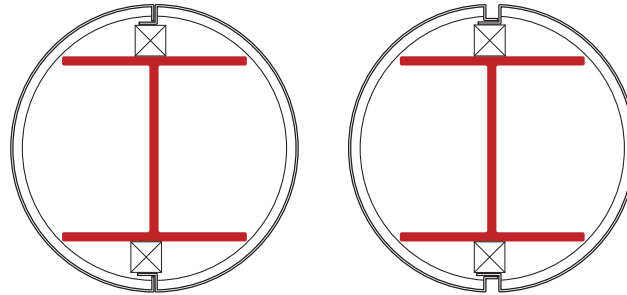
The casings are produced by combining polymer resins with glass fibre strands or matting to build the material to the required thickness.

Typically, the columns have a ratio of glass fibre to resin of around 1:2.5, although the exact figure will vary depending upon the material thickness required and the individual specifications of the casings.

Standard shapes within the range include both circular and square sections. However, as Polyma casings are produced from moulds to meet individual specifications, virtually any custom shape or dimension can be produced.

Installation

Polyma circular and square casings are normally supplied as two separate 'halves', which are fixed to the structural columns with timber battens and joined with screw fixings to form a 'shadow gap'. Alternatively a butt joint can be achieved by using adhesives in place of mechanical fixings to join the casing.




Location and use

Polyma GRP casings can be used in both interior and exterior applications and possess excellent resistance to weathering.

Finish options

Polyma casings are produced to meet individual project specifications using RAL or BS coloured 'Gel-coat' finishes. Extruded products – BS EN 573 & BS EN 755.

Technical drawing downloads

A range of technical drawings in both PDF and DWG file formats are available from our website. Please click the link to visit our download page and select the drawings you require. 

Gypra – glass reinforced gypsum casings



Manufacture

Gypra GRG casings are manufactured using moulding techniques, combining hard cast gypsum plaster with layers of pre-cut glass fibre reinforcement matting to create stable, rigid and self-supporting casings with a smooth surface finish suitable for on-site decoration.

Gypra casings are normally specified as circular casings although as they are produced from moulds, they can be manufactured to meet any individual specifications, including square and rectangular as well as virtually any custom shape, making them highly versatile.

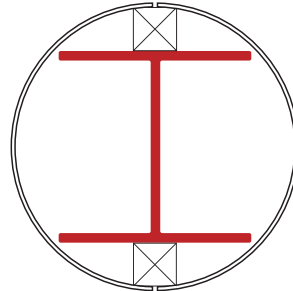
Location and use

Gypra casings are designed for interior decorative use only and can be specified with a stainless steel or brushed aluminium skirting collar to give increased impact resistance and improved wear characteristics.

Installation

Gypra casings are normally supplied as two halves, which are fixed to structural columns with timber battens and secured with screw fixings.

A seamless finish is created with a 'penny-joint', which is then filled on site prior to painting and finishing.




Fire performance

Gypra column casings can be regarded as a non-combustible building component, achieving a Class 'O' spread of flame. Structural elements require additional protection from a proprietary fire protection system or intumescent coating.

Finish options

All Gypra casings are supplied unfinished, ready for painting or decoration on site.

Technical drawing downloads

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Metza – mezzanine floor columns



Manufacture

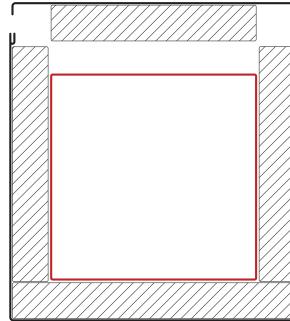
Metza column casings are designed specifically for use with interior mezzanine floor systems, primarily to protect the structural support columns from impact damage and fire.

Manufactured using an outer skin of coated steel, lined with a dense, fire resistant Rocksilk matting, Metza casings can provide up to 3 hours fire protection.

Installation

Normally supplied as a four-sided casing to fully encase a mezzanine's structural columns, the casings incorporate a 'U' shaped channel onto which the separate fourth side snaps and locks into place using an integral joint.

To simplify fitting when working close to walls or where access is restricted, the casings can also be specified as two interlocking 'L' shaped profiles.




Fire performance

Up to 3 hours fire protection is provided by Metza mezzanine floor casings as a result of the use of Rocksilk mineral wool fire barrier to encase the structural column inside a lightweight steel skin. The fire barrier is classified as non-combustible to BS 476-4 and Class 'O' spread of flame to the UK Building Regulations.

Finish options

A wide range of finishes is available for use in industrial warehousing, storage, office, retail and specialist food production environments. Please refer to the 'Finishes' section on page 16 for more information.

Technical drawing downloads

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Fire protection – general overview & considerations

While specific column casing products within the Encasement range are classified as achieving Class 0 rating, in accordance with BS 476:Part 6 relating to fire propagation, they should be regarded as providing no fire protection to structural columns or components within a building.

With the exception of the Metza column casing range, a separate structural fire protection system should be specified and applied to comply with the UK Building Regulations approved Document B to ensure escape times are achieved and metal structures, beams & columns are not weakened under intense heat as covered in BS 476: Parts 20 & 21.

This standard is designed to protect the structure, for a specified period of time, from reaching the recognised critical failure temperature of 550°C.

A number of different systems are available to achieve these standards, including fire rated insulation boards and concrete cladding as well as spray coatings and intumescent paints.

It is the responsibility of the specifier to ensure an appropriate system is used and applied correctly to meet the relevant standards and appropriate fire protection periods for each building design.

BS476 Parts 20 – 21 set out the key criteria for fire protection testing and the fire performance criteria are covered in detail in Building Regulations Part B (Appendix A).

None of the information above should be considered as recommendations or definitive guidance on structural fire protection.

Column Casing Solutions



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