

Cladding & Facades

DESIGN. SUPPLY. INSTALLATION.

Creating **world class car park** environments.

VEHICLE RESTRAINT SYSTEMS / **CLADDING & FACADES**
STRUCTURAL REFURBISHMENT / CAR PARK CONSTRUCTION / STREET FURNITURE



The logo consists of a red rounded rectangle with the word "Berry" in white. Below it is a white rounded rectangle with the word "SYSTEMS" in red.**Berry****SYSTEMS**The background image shows a dark blue sphere on the left, transitioning into a complex network of white and light blue dots and lines that form a mesh-like structure across the right side.

Who We Are

Berry Systems specialise in the design, supply and installation of vehicle restraint systems for the off highway market, cladding solutions, industrial products, refurbishment and maintenance of multi-storey car parks along with modular build which completes our car park product spectrum. Not only do we operate throughout the UK, but with an extensive global distribution network, Berry Systems offer a truly world-class reach. Our aim is to provide you with a safe and compliant car parking facility.

No job is too difficult

We offer bespoke solutions that help accommodate your project requirements, which are designed to your exact needs.

From concept to completion

We have a thorough understanding of design and construction programmes so we are here to help, not hinder. We are unrivalled experts within the car park market.

Dedicated to make you compliant

Safety is paramount in all that we do and we assist our customers in delivering the same exact standards in meeting the appropriate legislation.



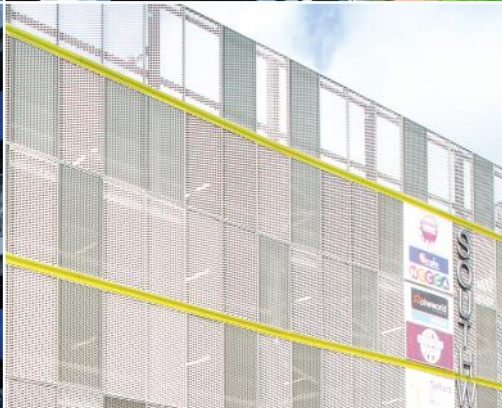
Hill & Smith Holdings PLC are a group of companies that are market leaders in providing infrastructure products. Their main focus is upon engineering products for the roads and utilities markets to deliver solutions worldwide. They hold strong positions in niche markets to help deliver value to both customers and shareholders.

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Completed Projects

- Arora Hotel, Gatwick
- Barons Quay, Manchester
- Banbury Station MSCP
- Charter Car Park, Watford
- Cornerstone Hub MSCP, Crawley
- County Mall, Crawley
- Drake Circus, Plymouth
- Eastside, Birmingham
- Heathrow Airport, London
- Lincoln Transport Hub
- New Street Station, Birmingham
- Porterhouse, Slough
- Southwater MSCP Telford
- Westfield Broadway, Bradford



Why choose Berry Systems

We offer our customers a full turnkey solution for vehicle restraint systems, cladding, facades, structural refurbishment, car park construction, modular car parks and street furniture. The services we offer compliment the high quality products that we design, manufacture, supply and install worldwide. We combine the two to deliver a total solution to meet the needs of your project.



Manufacture

We can manufacture our products bespoke to accommodate architect's aspirations without compromising on safety. Our products are tested in accordance with current standards. Production methods originate from our wealth of knowledge in steel and car park products to produce items of the highest quality.



Account Management

From initial concept right through to completion, we will support you.



Maintenance

Maintenance and inspection of multi-storey car parks are carried out in accordance with the IStructE.



Logistics

We will work with you to plan and schedule deliveries to meet the demands of your project.



Design

All of our design work is inhouse utilising the latest design software.

Aspirational briefs are all that we require to create a bespoke design and put your aspirations into a reality.



Surveying

We offer a full surveying service for both supply only and supply and fit projects.

A consultancy service is available for all services and products offered from Berry Systems.



Samples

We can provide visual 3D renders and physical samples for your project.



Standards & Regulations

Pedestrian Loadings

Berry Systems can design cladding and facades that meet current regulations for pedestrian protection including BS6180 and Part K of building regulations.

BS6180 applies to walls, glazing and other elements of buildings or structures where such elements act as protective barriers; the barrier adopted should be designed so as to minimize the risk of persons falling, rolling, sliding or slipping through gaps in the barrier. In dwellings and other buildings which can be accessed by children under the age of 5, gaps in a barrier or infill should not be large enough to permit a sphere of 100 mm diameter to pass through, making due allowance for deflection under load.

Wind Loadings

Building envelope designers and specifiers normally use British Standards and/or Eurocodes (such as BS EN1991-1-4) for the calculation of wind load. Of all the loading that the building envelope is likely to encounter, the wind has the greatest potential to cause damage to the cladding and even to the building structure.

Berry Systems can perform wind loading calculations specifically for the building envelope in addition to those undertaken by the structural engineer for the structural frame.

Fire Classification

If a fire should occur, it is important that the building can be evacuated as quickly as possible in order to save lives. The time available for evacuation depends on the building materials and their fire properties. The fire safety in construction products is determined through Euroclasses. The Euroclasses were introduced to create a common platform for the comparison of the fire properties of construction materials.

Class A1 is non-combustible and the requirement level and cannot be combined with any additional class.

Class A2 is also classified as non-combustible as no flashover occurs for the application of the products in these classes.

For classes A2 to D there are additional classes for smoke development s1, s2 or s3, and the amount of burning droplets emitted d0, d1 or d3 (e.g. A2-s1, d0).

Class E only has additional class d2.

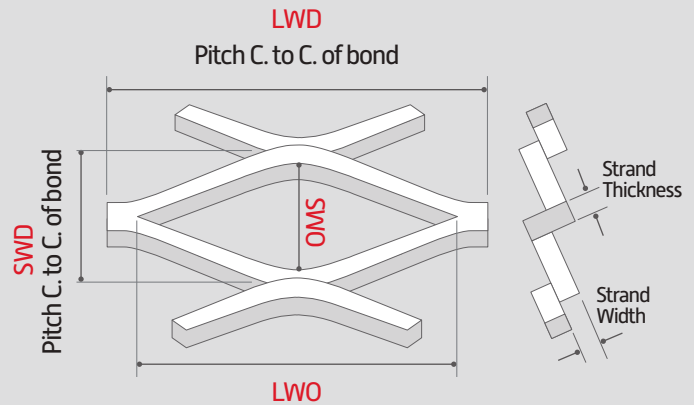
Class F means that the product is not documented, the product does not meet the criteria for any class, or the manufacturer has not provided the fire properties for the product. Class F cannot be combined with any additional class either.

Our quality product range and expertise of the market allows us to help you specify the most suitable product for your building or MSCP.

Expanded Metal Mesh

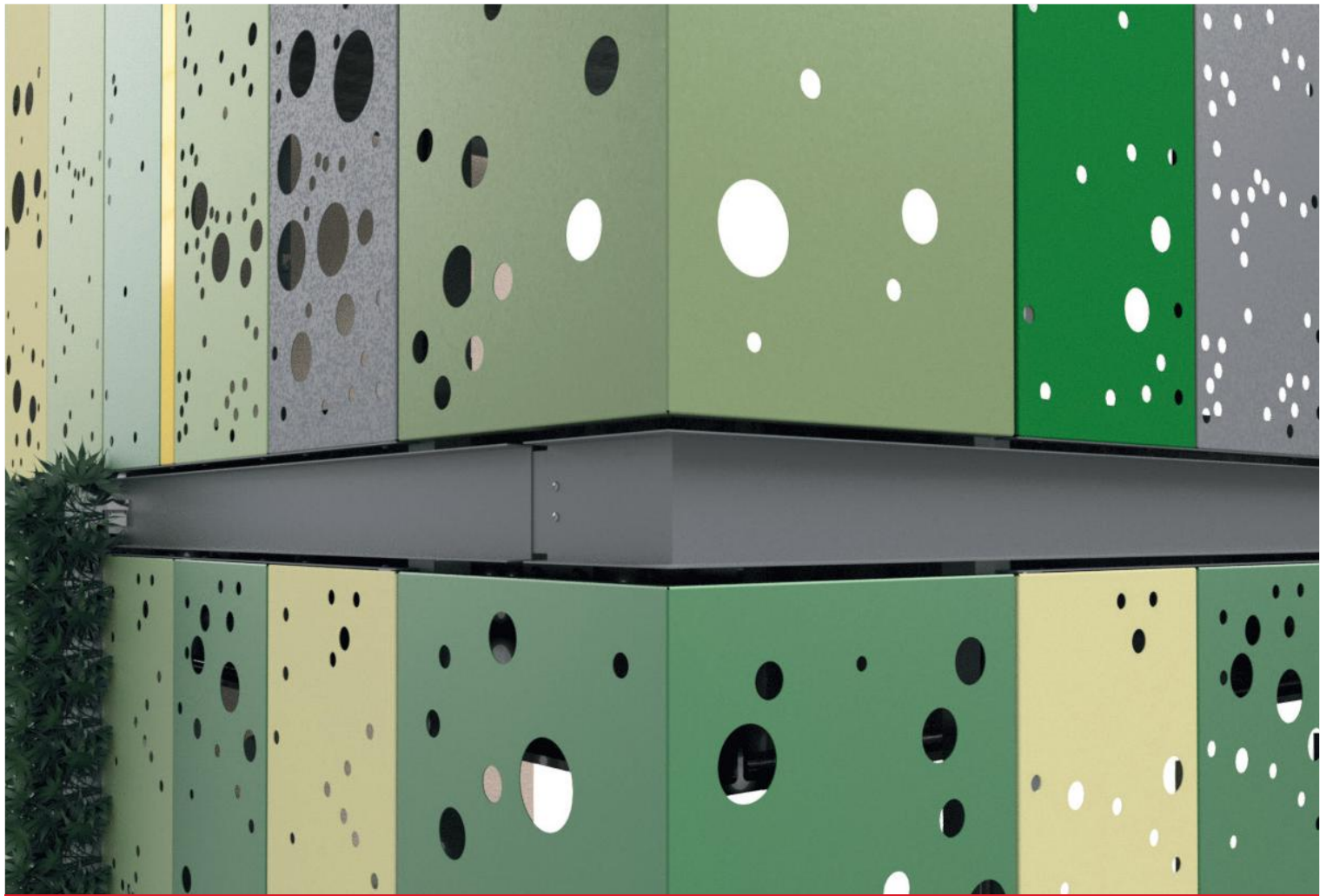
Berry Systems provide expanded mesh in aluminium, mild, cor-ten stainless steel. Expanded mesh can be made to suit a variety of different styles and visual requirements. Varying pitches, apertures and strand widths can provide higher or lower open areas to suit aesthetics and car park ventilation requirements.

- Open area can be changed to suit ventilation
- Efficient manufacturing process with no waste
- Strong and durable mesh
- No welds or strands



Expanded metal mesh is one of the most popular forms of cladding in multi-storey car parks. It provides a wide choice of styles and aesthetic appeal, provides protection against all but the most driving rain while maintaining good airflow and ventilation to the parking decks.





Perforated Cladding

Perforated cladding provides a practical functionality too, depending on the size of the perforation and pattern the amount of natural light required in the car park can be managed.

The boundaries of perforated metal facades and cladding are continually improving and almost any bespoke perforated architectural design can be achieved including visual imaging.

- Flexibility in Design
- 3D effects
- Pixelated Imagery
- Bespoke patterns
- Pattern design to suit ventilation requirements

Perforation Shapes Available



Circle



Square



Rectangle



Rhombus



Hexagon



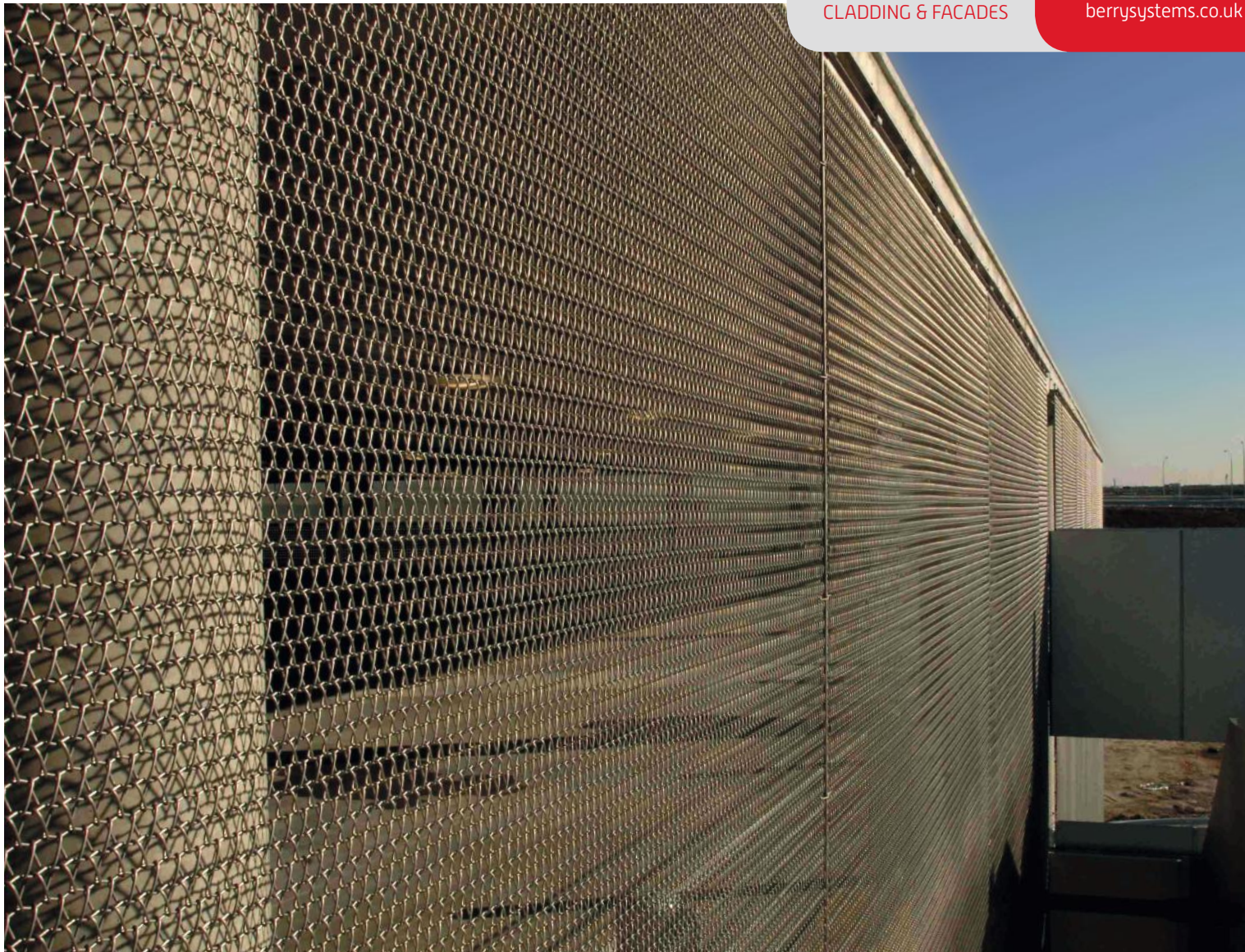
Triangle



Elipse



Obround



Woven Mesh

Woven Mesh can be limitless in its range of dimensional features, available in high tensile, stainless and galvanised steel. Stainless steel mesh is not new but its use as an exterior cladding material has opened up new dimensions in architectural cladding. The subtle changes of colour from cold to warm as the sun progresses through the day give buildings such as multi-storey car parks a vibrancy all too often lacking. Stainless Steel Mesh also acts as a useful solar screen that allows a controlled amount of light into the car park while creating shade for comfort and practicality.

- Versatile material to fit different forms
- Largely Self Maintaining
- Strong and Durable material properties
- Woven design can be changed to suit performance requirements

Fins & Louvres

Fins and louvres have long been used in the cladding and facades of car parks and buildings. In a wide range of materials from Timber, Aluminium and steel, Fins & Louvres can create unique aesthetic experiences. Fins and Louvres come in an array of widths and profiles and can be installed, vertically, horizontally, inclined or twisted.

- High Open Areas can be achieved
- Long spans can be covered without joints
- Helps control heat and cooling changes
- Effective in covering and shading



Louvre Panels

These allow the flow of air through the building while providing solar shading and weather protection. They can aid the visual concealment of unsightly plant or equipment and can also assist with acoustic control.

Timber Panels

The popularity of timber as a cladding material has endured over the years. However, only recently has its use on car parks been evident. Timber has the ability to soften harsh lines and naturalise man made structures to provide a comforting sense of security and familiarity to the user. Its flexibility in terms of its use as a construction material makes it all the more attractive and cost effective. It's sustainable qualities bring even greater advantages

Profiled Panels

Typically available in Trapezoidal, Sinusoidal or Half Round profiles mounted either vertically or horizontally for a variety of aesthetic effects in a wide range of colours and finishes.

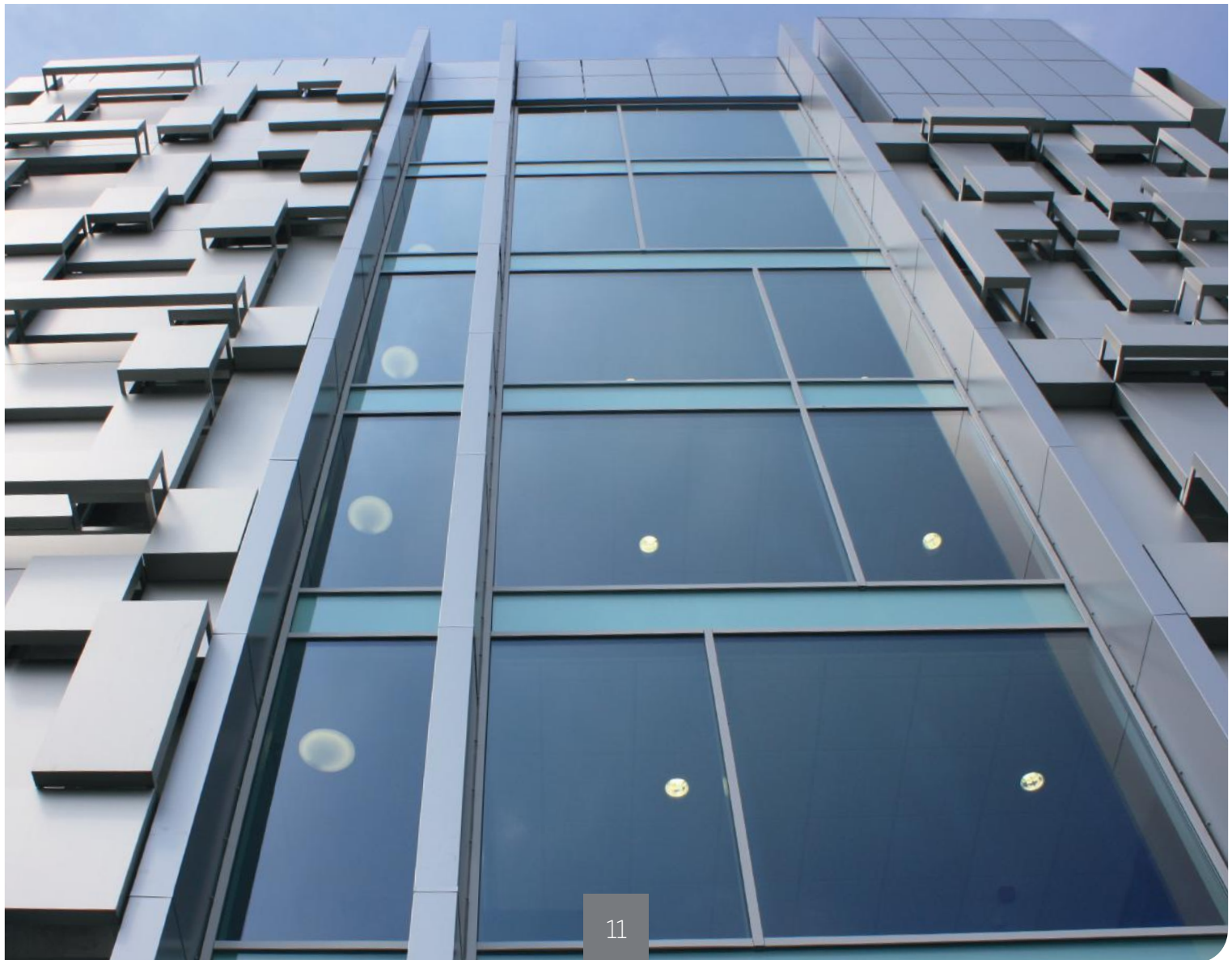
Rainscreen Cladding

Rainscreen cladding consists of an outer skin of rear ventilated cladding that can be made of almost any material such as metal panels, brick, ceramic tiles, laminates, reconstituted stone boards, wood, etc. The inner skin carries the wind loading. The wind pressure acting on the outside is balanced in the cavity and as a result there is insufficient pressure differential to allow the rain inside.

Rainscreen cladding is designed to function within the elements of nature to protect the structure from wind, rain and fire. Panel designs can easily interface with other building components such as windows, doors and atriums this gives a complete finish to the building facade.

The lightweight panels can be easily shaped and curved to produce unique details, combined with fully adjustable support systems allow for 3D visual effects.

- Helps protect the structure from weathering elements
- Rear ventilated systems are lightweight
- Reduced future maintenance requirements
- Highly modernised visual look



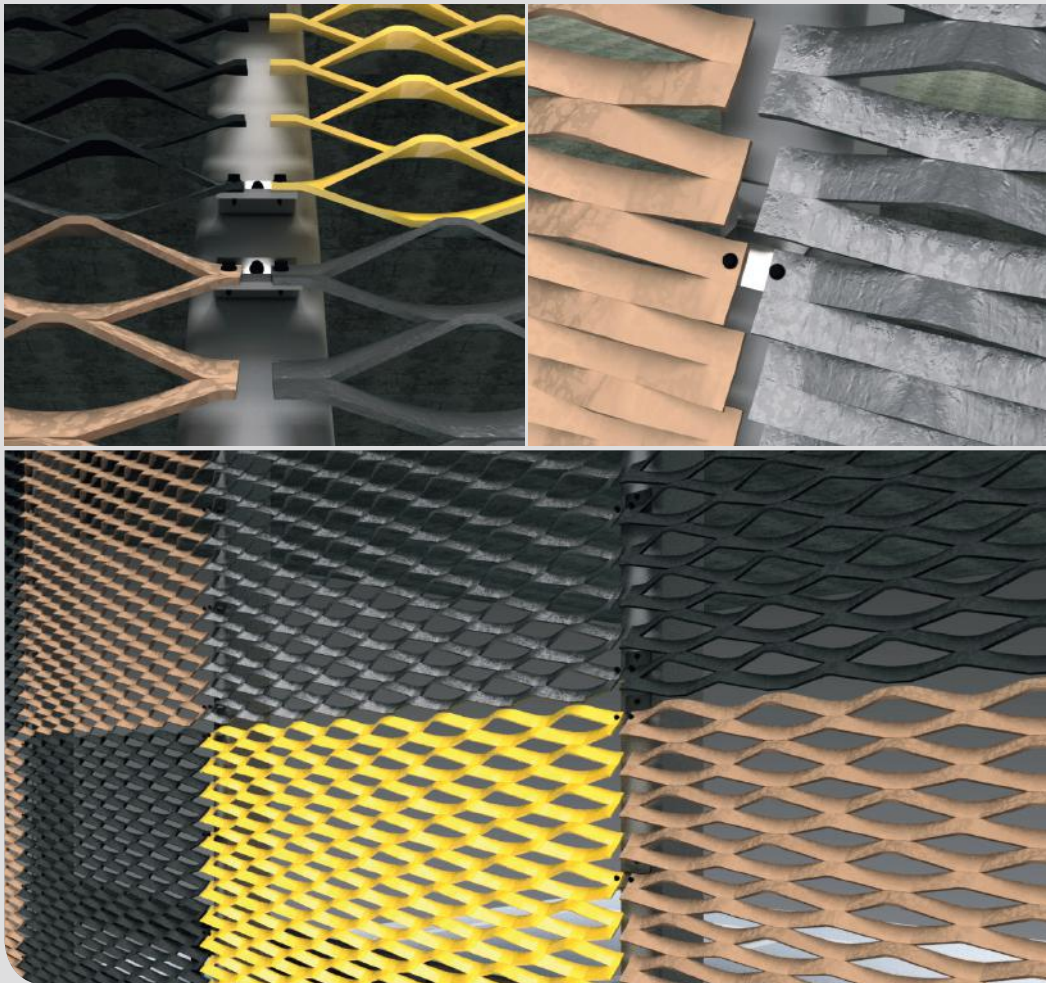
Finishes

All the Cladding systems that Berry Systems offers come in various finishes and effects. These finishes highlight the building or car park envelope and offer attractive visual aesthetics.

A range of different finishes are available within our portfolio of products –

- Galvanised
- Polyester Powder Coated (PPC)
- Polished
- Anodised

Different finishes will provide a range of life expectancies and it is important to consider when choosing your finish. Do not hesitate to contact our team to discuss your requirements.



Architectural Features

Glazing Panels/Light Boxes

No longer do architects view car parks as just a functional necessity. Many are now fully expressing their creative skills to turn multi-storey car parks into aesthetically interesting and artistically acclaimed structures. The use of features like light boxes on the main facades create beacons of coloured light at night time and an element of mystery and intrigue during the day. The imaginative use of glazing panels around the service sections also help to lift some car parks well away from the mundane and maintain the openness and lightness of the design.

Curtain Walling

The 'one stop' choice of Berry Systems means that you only have one point of contact for cladding, facades and curtain walling. No arguing between two different contractors over who installs what, and when.

Green Wall & Trellis Systems

Green wall system are becoming ever more popular within car parks due to emissions and pollution. Green wall and hanging trellis system are often implemented to absorb all types of pollution from noise, carbon and dust. Different planting options create green environmentally friendly spaces which are a popular choice with architects.





Design Services & Assistance

Early involvement in the specification process can lead to significant benefits and savings and a more efficient perimeter solution. For example, Berry Systems can advise on how potentially cladding can be rated for pedestrian loadings if required. Advice can also be given on how to achieve the required level of ventilation through the cladding. Generally speaking the greater the degree of opaqueness the less the ventilation and airflow.

Working with architects and designers on projects at an early stage means that we can use our knowledge and experience to bring the design into reality; that not only works within the site restraints but also meets the latest regulations and not least client expectations.

With construction practices modernising we constantly strive to develop new systems that benefit all stakeholders involved in the project.

Some examples of how we have assisted some of our clients are below:

Pre-assembled – reducing time on site for the installation to meet tight programmes

Internally Fixed Systems – removing the need for an external scaffold within tight site boundaries

Pedestrian Load Edge Protection – avoid duplicated mesh on the internal and external

Bespoke Carrier Systems – that are flexible to be used on existing sites and new builds

Turn Key Solutions – by utilising our knowledge within Vehicle Restraint systems and refurbishment we are able to combine multiple works packages to streamline the trades you have on site

Why not get in touch with one of our sales team to see how we can help on your project.

Perimeter Barriers

Berry Systems also offer a full range of perimeter safety barriers includes both floor and column mounted products are available. The unique combined barrier and cladding system features a wide choice of cladding styles that are attached via the compatible spring steel vehicle barriers rather than the car park structure.

All of our vehicle barriers can be combined with a mesh, this mesh is customisable to suit the external facade or cladding on the car park. This allows architects to keep a flow and consistency to the aesthetics.





We are **Berry Systems**.
We are **more than just barriers**.

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#morethanjustbarriers

