

ALUMINIUM IN ARCHITECTURE

QUALITY. DESIGN. EXPERIENCE.



GUTTERS AND
DOWNPIPES



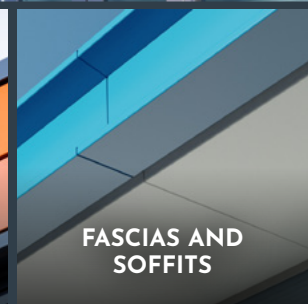
COPINGS



BRISE SOLEIL



RAINSCREEN
PANELS



FASCIAS AND
SOFFITS

With an emphasis on both quality and design, and with over forty years of experience, we work with architects and contractors enhancing the appearance of buildings nationwide.

From our factories in Ilkeston, Derbyshire, we design and manufacture an extensive range of aluminium building products including standard gutters, complete eaves systems and brise soleil.

Customers purchasing bespoke and standard systems can benefit from our comprehensive design and project management service, which is included at no additional charge. Dales are quality assured to BS 9001: 2015 (Design & Manufacture) as well as holding PI insurance on all the products that we design and supply.

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WE GET YOU WHAT YOUR PROJECT NEEDS

Dales offer a truly comprehensive service. We cover every aspect of your project's potential needs, from colour samples, through to design and technical assistance, project management and on to site liaison and support.

NBS specifications, BIM objects and CAD details are available on-line for our full product range.

Visits to our own manufacturing site and RIBA accredited CPDs presented at a venue of your choosing, round off our full service offer.

SPECIAL ITEMS? Send a dimensioned sketch of special items and we can probably make them.

COLOURS? See the substantial range of colours & finishes available at www.dales-eaves.co.uk/finishes. With RAL & metallic colours, anodised and even finishes that mimic timbers, stone, verdigris, terracotta or Corten we probably have the answer.

DELIVERY TO SITE? No problem. All Dales standard products can be delivered to site by our own transport fleet.

NO FORKS ON SITE? No Problem. The Dales transport fleet has vehicles that are equipped with a Moffet forklift, if required.

Contact us to find out more about our products and services

Telephone: 0115 930 1521 E-Mail: techinfo@dales-eaves.co.uk

Web: www.dales-eaves.co.uk



**Ashton-under-Lyne
Interchange**

GUTTERS

Dales offers a comprehensive range of stock systems as well as purpose-designed solutions tailored to your project.

APPLICATIONS

Our ranges are suitable for large scale commercial, residential or domestic applications and can be installed as stand-alone rainwater products or integrated into complete and bespoke eaves and fascia solutions.

LEAD TIMES

Stock gutters and pipes can normally be delivered to site in two weeks or less, dependent on the colour and finish. Dales has invested in the latest manufacturing and powder coating technology so that bespoke components can be manufactured urgently.

COLOURS

For our colour ranges and finishes, please visit www.dales-eaves.co.uk/finishes

HOW TO ORDER

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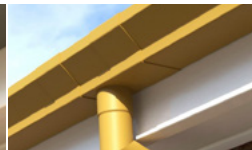




















NBS specs for
all products



BIM objects
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Range																							
	Ogee Traditional Ogee style in two standard sizes.		HR High capacity gutters with the appearance of traditional half round gutters.		Nene Modern style, available in two standard sizes.		River Available in four standard sizes, the River range is suitable for almost any development.						Torent A range of aluminium gutters suitable for deep roof constructions.			Delta Box An aluminium box gutter available in four sizes to suit almost all applications.				DF Box Two sizes for both large and small projects.		Domestic Two smaller aluminium gutter profiles, ideally suited to the domestic market.	
Name and profile	Severn	Dove	HR215	HR150	Nene 1	Nene 2	Trent	Welland	Avon	Derwent			Torent 3	Torent 2	Torent 1	200	150	125	100	System 120	System 75	Strongline	Domestic
																							
Nominal size* (mm)	210 x 150	150 x 110	215 x 130	150 x 110	150 x 100	240 x 140	200 x 140	190 x 120	150 x 90	130 x 75			270 x 150	200 x 150	200 x 100	200 x 220	190 x 150	150 x 125	150 x 100	140 x 120	140 x 90	140 x 90	120 x 60
Wall thickness (mm)	1.5	1.5	2	1.5	2	3	3	2	2	2			2	2	2	2	2	2	1.5	2	2	1.5	1.5
Fixing method	Top-fix brackets	Direct fix	Top-fix brackets	Direct fix	Direct fix	Direct fix	Direct fix	Direct fix	Direct fix	Direct fix			Top-fix brackets	Top-fix brackets	Top-fix brackets	Top-fix brackets	Top-fix brackets	Top-fix brackets	Top-fix brackets	Direct fix	Direct fix	Direct fix	Direct fix
Gutter capacity	7.35 l/s	4.21 l/s	6.71 l/s	3.32 l/s	3.29 l/s	8.08 l/s	6.83 l/s	5.27 l/s	2.53 l/s	1.36 l/s			10.87 l/s	8.03 l/s	4.37 l/s	17.23 l/s	10.04 l/s	6.47 l/s	4.63 l/s	5.48 l/s	3.31 l/s	2.47 l/s	1.09 l/s
Outlet type & capacity																							
76.2mm diameter	2.93 l/s	2.53 l/s	2.76 l/s	2.20 l/s	2.46 l/s	2.91 l/s	2.88 l/s	2.74 l/s	2.28 l/s	1.60 l/s			3.12 l/s	3.12 l/s	2.56 l/s	3.31 l/s	2.94 l/s	2.71 l/s	2.43 l/s	2.66 l/s	2.25 l/s	2.26 l/s	1.24 l/s
76.2mm square	3.66 l/s	3.16 l/s	3.49 l/s	2.75 l/s	3.06 l/s	3.64 l/s	3.60 l/s	3.43 l/s	2.85 l/s	2.02 l/s			3.90 l/s	3.90 l/s	3.20 l/s	4.14 l/s	3.67 l/s	3.39 l/s	3.03 l/s	3.32 l/s	2.81 l/s	2.82 l/s	1.55 l/s
101.6mm diameter	5.32 l/s	4.60 l/s	4.78 l/s	2.83 l/s	-	5.29 l/s	5.23 l/s	4.99 l/s	-	-			5.66 l/s	5.67 l/s	4.65 l/s	5.93 l/s	5.25 l/s	4.85 l/s	4.15 l/s	4.83 l/s	3.31 l/s	-	-
101.6mm square	6.54 l/s	5.75 l/s	5.97 l/s	3.54 l/s	-	6.51 l/s	6.43 l/s	6.13 l/s	-	-			6.96 l/s	6.97 l/s	5.71 l/s	7.41 l/s	6.56 l/s	6.07 l/s	5.19 l/s	5.94 l/s	4.10 l/s	-	-
152.4mm diameter	-	-	5.67 l/s	-	-	-	-	-	-	-			12.88 l/s	-	-	13.33 l/s	11.01 l/s	-	-	-	-	-	-
101.76 x 76.2mm	5.04 l/s	4.24 l/s	4.66 l/s	3.08 l/s	4.14 l/s	4.92 l/s	4.76 l/s	4.54 l/s	3.70 l/s	2.32 l/s			5.21 l/s	5.22 l/s	4.25 l/s	5.6 l/s	4.96 l/s	4.59 l/s	4.1 l/s	4.46 l/s	3.45 l/s	3.65 l/s	1.76 l/s
Specification	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS			Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS	Uniclass and NBS

* Please contact Dales for exact gutter dimensions.

DOWNPIPES

Dales offers a comprehensive range of six downpipe profiles to suit our range of gutter systems.

APPLICATIONS

Our ranges are suitable for large scale commercial, residential or domestic applications and can be installed as stand-alone rainwater products or integrated into complete and bespoke eaves and fascia solutions.

LEAD TIMES

Stock downpipes can normally be delivered to site in two weeks or less, dependent on the colour and finish. Dales has invested in the latest manufacturing and powder coating technology so that bespoke components can be manufactured urgently.

COLOURS

For our colour ranges and finishes, please visit www.dales-eaves.co.uk/finishes

HOW TO ORDER

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RESOURCES







NBS specs for
all products



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Range	Contemporary						Traditional					Secret fix VR													
																									
	Contemporary Round			Contemporary Square			Contemporary Rectangular		Traditional Round			Traditional Square		Traditional Rectangular		Secret fix VR Round			Secret fix VR Square			Secret fix VR Rectangular			
Wall thickness (mm)	2.75	1.6	1.6	3	1.8	1.6	2		2.75	1.6	1.6		1.8	1.6	2		2.75	1.6	1.6	3	1.8	1.6	2		
Pipe size	152.4mm dia.	101.6mm dia.	76.2mm dia.	150mm square	101.6mm square	76.2mm square	101.6 x 76.2mm		152.4mm dia.	101.6mm dia.	76.2mm dia.		101.6mm square	76.2mm square	101.6 x 76.2mm		152.4mm dia.	101.6mm dia.	76.2mm dia.	150mm square	101.6mm square	76.2mm square	101.6 x 76.2mm		
Pipe capacity (33% fill)	29.6 l/s	10.04 l/s	4.63 l/s	39.09 l/s	13.85 l/s	6.39 l/s	9.55 l/s		29.6 l/s	10.04 l/s	4.63 l/s		13.85 l/s	6.39 l/s	9.55 l/s		29.6 l/s	10.04 l/s	4.63 l/s	39.09 l/s	13.85 l/s	6.39 l/s	9.55 l/s		
Specification	Uniclass and NBS			Uniclass and NBS			Uniclass and NBS		Uniclass and NBS				Uniclass and NBS		Uniclass and NBS		Uniclass and NBS			Uniclass and NBS			Uniclass and NBS		

COPINGS

Bespoke secret fixed aluminium copings and cappings, designed specifically to suit individual project requirements, including curved and insulated options.

APPLICATIONS

Our ranges are suitable for large scale commercial, residential or domestic applications and can be installed as stand-alone rainwater products or integrated into complete and bespoke eaves and fascia solutions.

LEAD TIMES

Aluminium copings can normally be delivered to site in three weeks or less, dependent on the colour and finish. Dales has invested in the latest manufacturing and powder coating technology so that bespoke components can be manufactured urgently.

COLOURS

For our colour ranges and finishes, please visit www.dales-eaves.co.uk/finishes

HOW TO ORDER

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RESOURCES



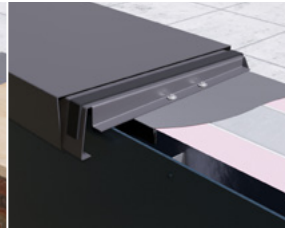

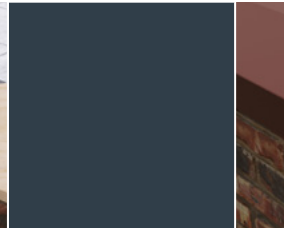
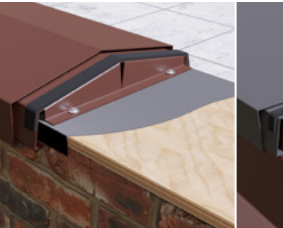
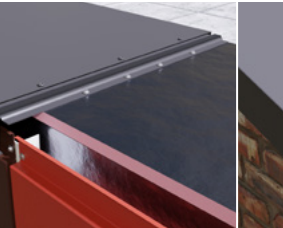
NBS specs for
all products



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Range																							
	Meridian Our Standard Aluminium Copings have proved very popular, with thousands of metres installed nationwide.			Curved Meridian Contact Dales if you would like a Meridian coping manufactured to suit a curved wall.			Weatherstruck Our weatherstruck aluminium coping system can be designed to accomodate most wall constructions.			Curved Weatherstruck Contact Dales if you would like a Weatherstruck coping manufactured to suit a curved wall.			Ridgeway Offering a more traditional appearance, our Ridgeway Aluminium Coping System can even be painted in a stone finish.			Excel Our Excel Aluminium Copings System can be designed to accomodate oversized wall constructions.			Gable Dales Gable copings reduce the rainwater run-off associated with gable wall copings.				
Typical material thickness (mm)	2	2.5	3	TBC or Contact Dales			2	2.5	3	TBC or Contact Dales					2	2.5	3	3mm or greater			TBC or Contact Dales		
Coping width* (mm)	200-500	500-600	600+	200-500	500-600	600+	200-500	500-600	600+	200-500	500-600	600+			200-500	500-600	600+	600mm and above			200-500	500-600	600+
Typical wall* thickness (mm)	140-440	440-540	540+	140-440	440-540	540+	140-440	440-540	540+	140-440	440-540	540+			140-440	440-540	540+	540mm and above			140-440	440-540	540+
Fixing options	TBC or Contact Dales			TBC or Contact Dales			TBC or Contact Dales			TBC or Contact Dales					TBC or Contact Dales			TBC or Contact Dales			TBC or Contact Dales		
Specification	Uniclass and NBS			Uniclass and NBS			Uniclass and NBS			Uniclass and NBS					Uniclass and NBS			Uniclass and NBS			Uniclass and NBS		

* Smaller or larger wall widths can be accommodated to special order.

COPING COMPONENTS

Dales can design and manufacture a substantial range of specialist components to suit individual project requirements. Where curved products are deemed too expensive or simply unnecessary, then faceted lengths of coping can be produced.

Special T-junctions incorporating stop ends or junctions for steps in height or raking stop ends do not present any difficulty to Dales.

COPING SUPPORT BRACKET

Aluminium cappings clip securely to bespoke brackets to provide a robust yet attractive finish.

With our unique folded bracket design, Dales offer methods of support to suit walls that involve concrete, masonry or structural steel construction with claddings from curtain walling to traditional masonry.

SOLAR SHADING/ BRISE SOLEIL

All Dales solar shade systems are designed on an individual project basis using standard parts, including our custom-designed extruded elliptical blades.

MINIMISING SOLAR GAIN

Building Regulations Part L and O require compliance by minimising solar gain to reduce overheating in both residential and non-residential buildings. Compliance can be achieved by using Dales Solar Shades. We offer design assistance, including detail drawings and advice on necessary support, all backed by our PI insurance.

STREAMLINED, MODULAR APPROACH

Utilising a modular approach using standard items keeps delivery times to a minimum whilst offering the specifier solar shading solutions to suit almost any application or project, and methods of support to suit structural steelwork, curtain walling, masonry or concrete.

SHADEX

The Shadex system offers standard elliptical shade options in 100mm, 150mm, 190mm, and 260mm widths, alternative profiles and larger blades can be offered. Solutions are available for horizontal or raking projections across either flat or curved facades. Stock blades, alternative profiles and larger blades can be offered.

PERFORATED SCREENS & OTHER OPTIONS

Facades, Vertical Fins, Visual Screens and perforated panels are all possible using Dales systems.

Larger solar shade blades can be used to create a visual screen to limit sight lines by installing them vertically as fins or horizontally as a vertical stack.

Dales are regularly asked to provide vertical fins of varying heights and dimensions that are specified for design impact or to create solar shading. Each design is unique and early discussion with our Project managers on Tel: 0115 930 1521 is recommended.

COLOURS

Please visit www.dales-eaves.co.uk/finishes

METHODS OF SUPPORT

We offer a variety of support options to suit the building structure: First fix brackets or fixing direct to structural frame; insertion of first fix brackets into curtain walling systems and direct-fix to concrete or masonry.

WINDLOADINGS

Solar shades installed at high levels are subject to high wind loadings that must be resisted. Structural calculations will be necessary to ensure that the solar shades adequately resist such loads and Dales can ensure that this process is incorporated within their bespoke detail design.

DEDICATED SPECIFIER CONTACT

All design and specification work is undertaken under the control of the Dales Project Management System.

The project manager is appointed on receipt of the architect or contractor's enquiry and provides a single point of contact for the project.

HOW TO ORDER

We deal directly with customers across the UK and Europe. Please give our Sales Team a ring on 0115 930 1521 to discuss your requirements or send your enquiry to enquiries@dales-eaves.co.uk. Orders should be sent to orders@dales-eaves.co.uk.



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RESOURCES



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RAINSCREEN PANELS

Dales design and manufacture bespoke rainscreen panel and plank systems in aluminium on an individual project basis. Panels can be designed to be installed using various proprietary rainscreen support systems for fixing to almost any substrate, and to accommodate a spectrum of insulation types and thicknesses.

NON-COMBUSTIBLE

Dales rainscreen panels are non-combustible A1 or A2,s1 d0 (in compliance with the requirements of Building Regulations Part B: Fire Safety) and manufactured either in anodised aluminium or with architectural polyester powder coating.

LARGE PANELS

Secret Fix Panels (SFX): These eliminate visible fixings with either a flush or recessed panel joint. Joints on the running length are secretly jointed and stiffened offering an uninterrupted line. Joints can be modulated to grid or fenestration lines if required. Multiple panels of up to 1200mm cover can be combined to cover soffits of significant overhang.

THX Discrete-Fix Panels: In many cases, a lower cost panel detail where colour matched fixings discretely fit within the recessed joint is perfectly acceptable. Joints can be modulated to suit grid or fenestration and this should be specified with the contract.

DF System Sheet-panels (Face-Fix): Manufactured with a stiffer aluminium alloy using face-fixings and regularly used where previously ACM or HPL materials would once have been chosen. Sheet-panels are typically kept below 1000mm wide and 2000mm long and are supplied in 3mm or 4mm solid-sheet aluminium. Fixings are usually colour-coated to match the panels.

KWIKFIX PLANK CLADDING

Free from the limitations and relative high cost of extruded plank systems, Kwikfix planks are a versatile but attractive secret fix plank system formed from flat sheet aluminium.

Horizontal KwikFix: A popular option is to install planks horizontally, in a 'fletcher' pattern to simulate tongue and groove timber. This is particularly effective when utilised with the Timber-effect powder coatings. Individual plank cover width is 175mm as standard but can be varied from around 100mm up to 250mm, if required.

Vertical KwikFix: Dales Kwikfix Planks can be installed as vertical cladding providing an aesthetically pleasing alternative to installing planks horizontally. Planks are supplied pre-cut to suit a specific wall height up to 3m, if required

COLOURS

For our colour ranges and finishes, please visit www.dales-eaves.co.uk/finishes

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FASCIAS & SOFFITS

Our aluminium fascias can be designed with our standard external eaves gutters or with hidden gutters using our monocoque supports. Our fascias are designed to work in conjunction with any of our aluminium soffit options and can generally be offered with hidden fixings.

Through consultation and liaison with individual specifiers on a project by project basis, Dales Fabrications design and manufacture engineered eaves systems. These utilise different standard fascia soffit and rainwater components that can be combined to form bespoke solutions for a broad variety of building types.

Using standard components in a modular way reduces delivery times to the minimum possible.

COLOURS

For our colour ranges and finishes, please visit www.dales-eaves.co.uk/finishes

HOW TO ORDER

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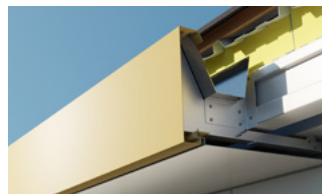
FASCIAS

All of our aluminium fascias are designed to work in conjunction with each of our aluminium soffit options and can generally be offered with hidden fixings.



Plain Fascias

These simple fascias work with our standard aluminium eaves gutters and soffits.



Square & Rectangular Fascias

Whilst relatively simple in design, our square and rectangular fascia profiles provide a very pleasing if more traditional appearance to the eaves.



Elliptical Fascias

Provide a modern and sleek eaves profile whilst keeping the leading edge of the system to a minimum. Useful if you wish to minimise the appearance of a deep roof construction.



Bullnose & Quadrant Fascias

Bullnoses and Quadrant fascia profiles offer a more contemporary appearance and are now a very popular selection.



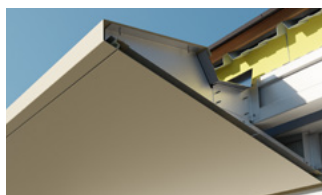
Sigma Fascias

Fascias are individually pressed from aluminium to create the appearance of a structural steel member. The Sigma aluminium fascia is also regularly used to break up elevations of rainscreen cladding.



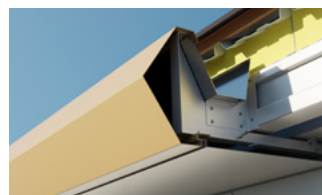
Stepped Fascias

Introducing a step or steps in what would otherwise be a deep, plain fascia can add a more defined line to the edge of a building.



Raking Fascias

Raking a fascia can reduce the visual impact of an otherwise deep, plain fascia or can emphasize the sheen of metallic or anodised finish.



Trapezoidal Fascias

Trapezoidal Fascias are a popular choice when an industrial look is sought.

SOFFITS

Dales aluminium soffit systems are tailored to suit your specific requirements. The panel soffit systems are generally modulated to suit grids with fixings at joints in discreet locations or hidden as required, providing a contemporary appearance to the eaves. The planked aluminium soffit options provide a more traditional appearance to the eaves.



THX soffit panel system

An attractive yet practical solution offering a lower cost panel soffit detail where colour matched fixings fit discretely within recessed joints. Perpendicular joints across the soffit can be recessed with discrete fixings or use secret-fix joints that are free of visible fixings.



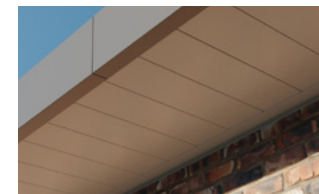
Secret Fix panel system

These eliminate visible fixings with either a flush or recessed panel joint. Joints on the running length are secretly jointed and stiffened offering an uninterrupted line. Soffit joints can be modulated to fall in line with grids or fenestration lines if required. Multiple soffit panels can be combined to cover soffits of significant overhang.



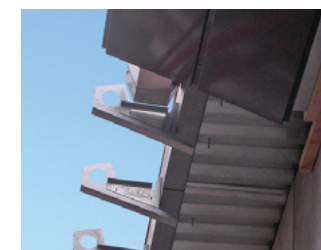
Kwikfix soffit planks (longitudinal)

Free from the limitations and high cost of extruded plank systems, they are versatile but attractive secret fix soffit plank system formed from flat sheet aluminium. A popular option is to utilise parallel planks to the eaves and perpendicular planks to the verge.



Kwikfix soffit planks (perpendicular)

Dales Kwikfix Soffit Planks can be orientated perpendicular to the building. Planks are supplied pre-cut to suit soffit widths with fascia and closure profiles still designed to allow our standard +/-20mm tolerance in the soffit width.



DALES MONOCOQUE SUPPORT SYSTEM

When aluminium cladding or eaves systems are fixed directly to primary structure it usually results in any deviation being highlighted, rather than hidden. The solution is the Dales Monocoque Support System, which accommodates vertical and horizontal adjustment to hide site variance. We recommend our systems are supported by the Monocoque System.

WINDOW SURROUNDS & REVEALS

Window surround or reveal claddings may also be referred to as window pods. They are often required due to the increased levels of insulation used on modern buildings or on refurbishment projects.

NON-COMBUSTIBLE

Dales window surrounds or reveals are non-combustible A1 or A2s1 d0 (in compliance with the requirements of Building Regulations Part B: Fire Safety) and manufactured either in anodised aluminium or with architectural polyester powder coating.

MINIMISING SOLAR GAIN

Building Regulations Part L and O require compliance by minimising solar gain to reduce overheating in both residential and non-residential buildings. Dales Window Surrounds may assist with compliance by reducing solar gain. We offer design assistance, including detail drawings and advice on necessary support, all backed by our PI insurance.

COLOURS

For our colour ranges and finishes, please visit www.dales-eaves.co.uk/finishes

DEDICATED SPECIFIER CONTACT

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RESOURCES



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BALCONY CLADDING

Dales balcony cladding products are designed and manufactured in aluminium and are non-combustible, as required by Building Regulations Part B: Fire Safety for Specified Attachments on relevant buildings.

SELF-DRAINING SYSTEMS

Can be supplied in anodised or architectural polyester powder coated aluminium and are bespoke to suit each individual project. Systems can be self-draining to join main drainage in compliance with the NHBC requirements for balconies of 6m² or larger.

WIND LOADINGS

It is often overlooked but balconies & terraces installed at high levels are subject to high wind loadings that must be resisted. Structural calculations will be necessary to ensure that the cladding adequately resists such loads and Dales can ensure that this process is incorporated within their bespoke detail design.

COLOURS

For our colour ranges and finishes, please visit www.dales-eaves.co.uk/finishes

HOW TO ORDER

We deal directly with customers across the UK and Europe. Please give our Sales Team a ring on 0115 930 1521 to discuss your requirements or send your enquiry to enquiries@dales-eaves.co.uk. Orders should be sent to orders@dales-eaves.co.uk.



Part B
non-combustible



RESOURCES

NBS specs for
all products



BIM objects
dales-eaves.co.uk



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COLUMN CASINGS

Dales have been manufacturing column casings or claddings for many years. These can be circular, square, rectangular, elliptical, obround or square with radius corners.

ACCESS, RECESSES AND PRE-CUTS

Access panels can also be incorporated. Pre-cut holes to prevent the need for site-cuts can be designed to allow for sprinkler-heads, drain or other pipes and ventilation. Recesses for hidden LED lighting can also be designed in at manufacture stage.

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SUSTAINABLE ALUMINIUM

The properties of low weight, high strength, corrosion resistance and durability are well known to specifiers of aluminium construction products; however, aluminium is arguably the optimum material from an environmental perspective too.



Aluminium is a circular material: The metal is not consumed during its lifetime, but simply reused through recycling at the end of its product-life. This can take place not just once, but infinitely, and always without detriment to its physical properties or its atomic structure. Effectively, users of aluminium hold the material on trust for future generations rather than consuming it within its current application. This fact makes aluminium a truly sustainable building material.

Dales Fabrications Ltd is a Founder member of the Council for Aluminium in Building (CAB) Closed Loop Recycling (CLR) Scheme. The mission of the CLR Scheme is to promote the closed loop recycling of aluminium used in buildings.

ACCREDITATIONS



ISO 9001: Design
& Manufacture
Quality Assurance



syntha pulvin.

Approved Applicator



Syntha Pulvin
30yr & 40yr
Guarantees



CAB Closed Loop
Recycling Scheme
Founding Member



FORS Bronze



RIBA CPD
Providers Network

MEMBERSHIPS



CAB Member
(c-a-b.org.uk)



CWCT Member
(cwct.co.uk)

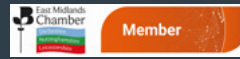


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