



Ash & Lacy Building Systems Ltd



CLADDING PROFILE

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NEATH - PORT TALBOT

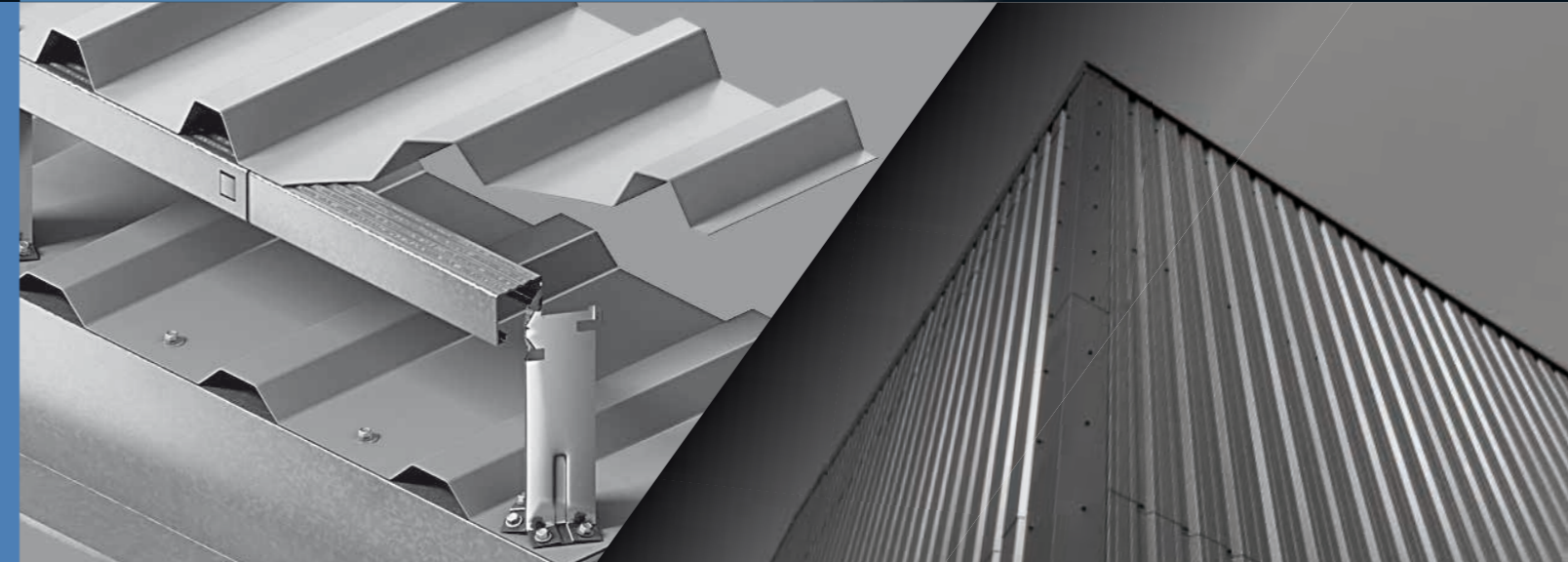
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Introduction

Ash & Lacy Building systems is a long established and well respected company, synonymous with producing and providing quality construction envelope products. Amongst a wide ranging product portfolio we are able to offer twin skin trapezoidal cladding constructions using our 32/1000/200 profile sheet and liner combined with the original, and often copied, bar & bracket spacer system 'Ashgrid'.

With our modern production facility combined with our outstanding technical back up, we are able to offer a range of materials and material finishes, combined with u value calculations and fully assessed firewall constructions.

Material finishes

Ash & Lacy 32/1000/200 is available in a number of pre-coated steel finishes, including plastisol, HPS200, HPS200 Ultra, PVdF and enamel.

Also available in coated aluminium for highly aggressive environments & atmospheres.

Depending upon material finish and colour, up to a 40 year warranty is available on the external coating. Combined with a 25 year system warranty the building owner can have full peace of mind when purchasing Ash & Lacy Cladding Profiles.

Available with a perforated finish for ventilation or to provide sound absorption characteristics, please contact us directly for prices, technical information and colour swatches.



Thermal performance

Ash & Lacy are able to provide U value calculations for your specific construction needs. Simply provide us with the U value requirement and purlin centres and we can advise the appropriate insulation thickness to suit your project.

We have a range of spacer system options available which will suit either a vertical or horizontal application, all of which we are able to offer U value calculations for.

U values of 0.10W/m2K can easily be achieved using the Ashgrid ABV bracket.

Applications

Ash & Lacy Cladding profile can be used in a number of applications, including new build, single skin and refurbishment, and used in conjunction with the market leading Ashgrid spacer system, can be fixed to a wide range of substrates, including traditional purlins, timber and concrete.



Fire Walls

Since the introduction of Ashgrid in the early 1990s, Ash & Lacy Building Systems have provided support bar solutions, including numerous firewall systems, to offer contractors a fully engineered system in line with current Building Regulations (Part B & L).

A number of constructions have been fully assessed by Exova Warrington to provide fire wall constructions with varying degrees of heat transfer resistance and timed insulation integrity.

Now with the introduction of our cladding profile we are able to offer a full fire wall solution. Please contact us with your project specific requirement A standard build up provides 4hrs for stability of construction combined with either 15mins or 30mins of insulation integrity depending upon whether glass fibre or rock fibre type insulation is used.

In addition to this we have assessments for various orientations of profile and preferred method of laying insulation. These further assessments cover a range spacer types again depending upon contractor preference. These include Ashgrid, BX48 and top hat arrangement spacers.

Typical fire wall construction



Standard fire wall construction using glass fibre to the external side of the Ashgrid bar and rock wool to the internal side. Both layers are trapped by the spacer system. Provides 4 hour stability and 30 mins insulation. Where both layers are used as glass fibre it will provide 15 mins insulation timing. For all fire walls installers, detailers and specifiers must refer to our full reports.

Rooflights

GRP rooflights can be easily integrated into a cladding profile build up. We are able to offer a matching GRP profile that can be used as part of a twin skin or single skin construction.

The profile gauge and application will dictate the minimum weight of rooflight profile used. For single skin applications the rooflight profile would be a CE30 -3.06kg/m2

Otherwise where using a 32mm deep liner and outer sheet, both in 0.7mm steel, a CE30 Liner and CE18E outer sheet can be used. The use of a CE18E outer sheet is subject to project specific windload analysis.

In applications where high levels of resistance to foot traffic are required please consult our technical department for guidance.

Where rooflights are used in conjunction with cladding profiles, fixings with red colour heads should be used to highlight locations of rooflights which may become dirty or discoloured over time.

Installing contractors must ensure they are complying with up to date CDM regulations when installing and accessing a roof after installation.

Specific CAD technical drawings are available upon request.



Breather membranes and VCL's

Ash & Lacy are able to offer a range of reinforced Vapour Control Layers and a breather membrane.

VCL's (Vapour Control Layer)

The specification of the VCL will be subject to the application in which it is being used. We offer two VCLs – Ashflex 555JT and Ashflex 46K.

Ashflex 555JT is a standard capacity 555Mn,sg-1. This product is reinforced clear VCL and is supplied in rolls of 2x50m.

The Ashflex 46K product is a foil encapsulated reinforced VCL which has a capacity of 46,000Mn,sg-1 and is supplied in rolls of 2x50m.

All relevant sealant tapes are available from our distribution products department.

Breather Membrane

The TF200GLV breather membrane can be used in vertical or roofing applications. For roofing applications the sides and end laps must be sealed along with junctions at penetrations through the roof. A vertical application does not require the side and end laps to be sealed where they are overlapped by the specified amount. For vertical applications the membrane must be sealed where penetrations occur.



Production

Sheets are limited to a minimum length of 1m and maximum length of 10m

CE Marking

Ash & Lacy cladding profiles are CE marked in accordance with EN14782:2006. Please refer to relevant declaration of performance.

Fixings

Ash & Lacy are able to offer a full range of fixings to suit your application. This range includes colour heads to match the cladding profile and stainless fixings where extended warranty periods are required.

Fixing recommendations are generally to fix in every trough at sheet ends and every other trough at intermediate supports. Side laps are to be stitched at 450mm centres. With the side lap being a fully supported detail. Refer our technical detail drawings for side lap and profile details.

Flashings & Gutters

Ash & Lacy offer a full range of flashings, fabrication & gutters, manufactured bespoke to order to your project specific requirements Please refer to your local Ash & Lacy manufacturing unit for information and prices for flashings and gutters.

Accessories

We supply a full range of accessories including mastics, sealants & decktite units, in addition to our wide range of fixings and spacer support systems.

