



SPEEDPANEL

A2 CERTIFIED SPANDREL PANELS



Speedpanel A2[®]

Product Brochure

Spanning safety and style.

The Speedpanel Story

The development of Speedpanel products grew out of the experience of our parent company, specialist contractors Speedclad, who have a proven track record of delivering large-scale facade projects. It had become evident that there was a need for an A2 fire rated spandrel panel that did not compromise on other key requirements such as aesthetics, thermal performance, durability or ease of installation.

An insulated spandrel panel is a composite panel that requires adhesive to bond the materials together. Whilst many manufacturers can achieve an A2 or A1 rating for individual elements of their products, the addition of adhesive makes it difficult to achieve this level of performance for the complete panel. Working in partnership with one of the world's leading adhesive providers, we have developed the Speedpanel suite of aluminium or glass-faced glazed-in spandrel panels, each independently tested and certified to A2-s1, d0 by WarringtonFire.

The panels are produced here in the UK at Speedpanel's own production facility in Northallerton. As a business, we are committed to delivering high-quality products and services, prioritising rigorous testing and transparent, easily accessible product information.

Backed by Speedpanel's expertise and technical support, our products offer:

- Compliance with current fire and thermal building regulations
- Design flexibility and aesthetic choice
- Independently tested and certified performance for the entire panel
- Speed and ease of installation
- Durability and safety
- Practical, cost effective standard or bespoke solutions

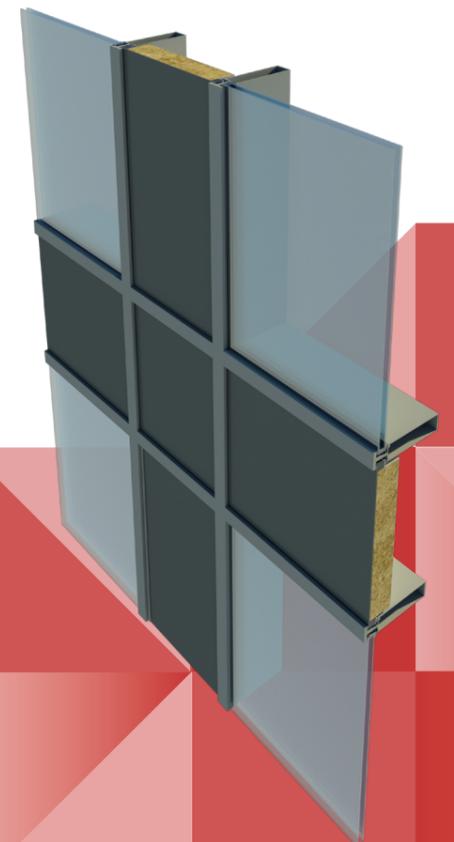


A2 Product Range

Speedpanel A2® Aluminium
Speedpanel A2® Glass
Speedpanel Bespoke

Our insulated spandrel panels are pre-finished with either a glass or aluminium face bonded to the insulant with a specially developed adhesive, enabling them to achieve a high level of fire performance that has been independently certified by Warringtonfire to A2-s1, d0 .

Compatible with most curtain walling systems, and suitable for both new build and refurb projects, the Speedpanel range is readily available in standard sizes and colours. The products can also be manufactured with bespoke facings, with non-standard design and testing available on a project-by-project basis.



Speedpanel A2® Aluminium

Easy to install, aluminium spandrel panels have the added advantage of a wide range of colours available to help bring projects to life. Speedpanel A2® Aluminium also provides high levels of fire and thermal performance, achieving a whole panel fire classification of A2-s1,d0 in accordance with EN 13501-1:2018, and typical U-values of between 0.26-0.38 W/m²k.

At a glance

Fire Classification	A2-s1, d0 WF - 429906
Core	A1 non-combustible mineral wool
Face	Aluminium (1.5 mm / 2.0 mm / 3.0 mm)
Edging	A1 Hard Edge
Tray	(Internal) Coated Steel
Overall Size	Up to 1200 mm x 3000 mm, Landscape or Portrait
Rebate Depth	25 mm or 50 mm
Glazing Thickness	28 mm to 48 mm
Overall Panel Depth	103.7 mm to 153.7 mm
Colours	PPC Std RAL Colours Std Anodised Range

End of life

Speedpanel A2® Aluminium is manufactured with a focus on reducing the impact on the environment at every stage including manufacturing, distribution, and end of life.

All materials, other than adhesives, used in the construction of the panels can be recycled at end of life.

When correctly installed into a tested curtain walling system (drained and ventilated), Speedpanel A2® Aluminium has a life expectancy of up to 40 years.

[Specify Speedpanel A2® Aluminium on NBS Source.](#)



Wellington Place, Leeds

Speedpanel A2® Glass

Designed to be simply glazed-in to curtain walling systems, Speedpanel A2® Glass not only achieves a whole panel fire classification of A2-s1,d0 in accordance with EN 13501-1:2018, it is also tested up to 6-10 joules in accordance with the TN 75 Hard Body Impact Test.

At a glance

Fire Classification	A2-s1, d0 - WF 433914
Core	A1 non-combustible mineral wool
Mesh	Aluminium
Face	(External) 6 mm Heat Soak Tested, Toughened Glass
Edging	A1 Hard Edge
Tray	(Internal) Coated Steel
Overall Size	Up to 1200 mm x 3000 mm, Landscape / Portrait
Rebate Depth	25 mm or 50 mm
Glazing Thickness	28 mm to 48 mm
Overall Panel Depth	31 mm / 55 mm / 107 mm / 127 mm / 157 mm
Colours	All grayscale shades black to white

End of life

Speedpanel A2® Glass is manufactured with a focus on reducing the impact on the environment at every stage including manufacturing, distribution, and end of life.

All materials, other than adhesives, used in the construction of the panels can be recycled at end of life.

When correctly installed into a tested curtain walling system (drained and ventilated), Speedpanel A2® Glass has a life expectancy of up to 40 years.

[Specify Speedpanel A2® Glass on NBS Source.](#)



York Street, Manchester

Speedpanel in Action



Wellington Place
Leeds

Comprising 378,000 sqft of Grade A office space, 7&8 Wellington Place is the new home of the Yorkshire Government Hub. Constructed to the highest standards, the office building achieves a BREEAM 'Excellent' rating. Bespoke steel Speedpanel spandrel panels were specified within the large curtain walling sections across the building's facades.



York Street
Manchester

At the heart of Manchester's thriving central business district, the recently completed 11 York Street development offers over 86,000 sqft of Grade A retail and office space across 7 storeys. Designed and built to the highest specifications, it delivers the very best in flexible, high quality commercial accommodation. To meet the exacting demands of the design, high performance materials were specified throughout, including Speedpanel A2 Aluminium insulated spandrel panels within the curtain walling across all four facades.



Rushden Lakes
Northamptonshire

Rushden Lakes offers an exciting new retail, leisure and tourism destination in the Nene Valley. Sitting largely within a designated Site of Special Scientific Interest (SSSI), which includes areas of protected wetlands, the centre's design is sensitive and sustainability-led. Speedpanel A2® Aluminium was selected to deliver excellent thermal and fire performance for this landmark project.

Developing Speedpanel

Our A2 spandrel panels are complete units, pre-assembled and sealed in the factory so that when they arrive onsite, they are simple and quick to install, even allowing for quicker plasterboard application on their inner-facing side. Their design incorporates a sturdy coated-steel undertray with an A1 fire-rated mineral wool core, combined with either a toughened glass or aluminium finish. Composite panels use adhesives to bond various materials together, which can make achieving the required A2-s1, d0 fire rating a real challenge, as many adhesives feature solvents, isocyanates or PVC, all of which are highly flammable.

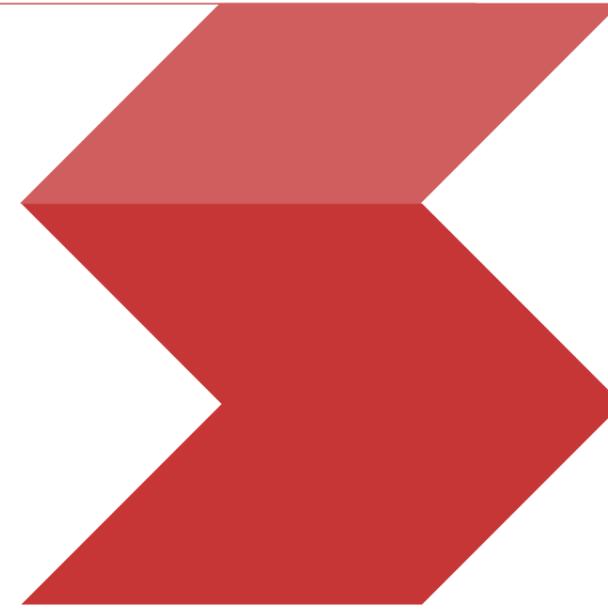
We worked closely with Henkel Loctite to develop a unique adhesive which meets the demands of fire performance and grab strength, enabling the Speedpanel A2® range to obtain that all important A2-s1, d0 classification. Thanks to our partnership with Henkel, we're able to offer a consistent product finish, every time. No varyingly torqued fixings, no accidental cross threading on the jobsite, just safe and consistent performance for every project.

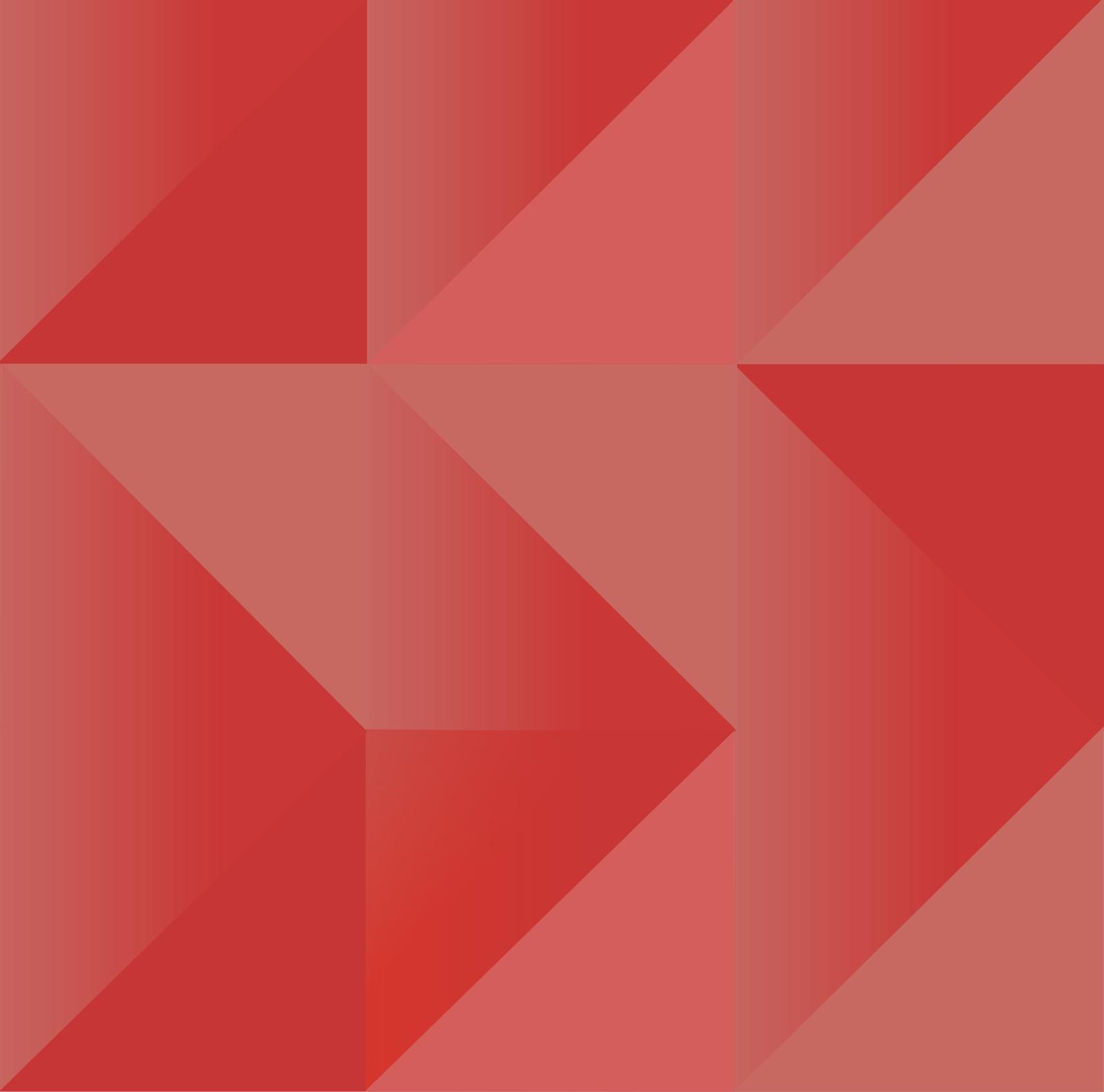
We believe in safety and simplicity without sacrificing beauty. In addition to our panels' performance, the nature of our facings allows them to deliver great design flexibility for architects, offering various options for glass and aluminium faces which can be tailored to fit in or stand out.

Get in touch to discover how Speedpanel A2® can help complete your project.

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