

Kalzip perforated solutions

A 'transparent' approach to façades

Perfectly suited to both new build and refurbishment projects, Kalzip perforated façade offers an innovative solution to the upgrading or enhancement of a building through the creative use of light. Without compromising the structural integrity of the building envelope, it is ideal for cantilever roofs, car park screening, or to simply add subtle detail to large elevations and provides numerous aesthetic and practical advantages.

Benefits:

- A cost effective solution for the refurbishment of older building stock, to give structures a new lease of life and an attractive uniform appearance.
- Provides buildings with added protection from vandalism and decay, particularly in harsh environments.
- Adds aesthetically pleasing façades to otherwise crude elevations such as multi storey car parks or unsightly plant rooms.
- Offers limitless design options through the co-ordination of light, shape and texture.
- Ideal as a lightweight, bespoke sun shading solution that allows both air and light infiltration whilst also protecting from excessive solar gain through glass façades.
- Helps reduce wind loads, particularly in exposed areas.

product review

A flexible, cost effective solution

For many years metal has been renowned for its excellent qualities of resilience and durability and as a result, has become one of the most widely used materials for external cladding.

Providing a cost-effective, simple and elegant solution to building design, the new Kalzip perforated façade combines the strength and quality of Kalzip, with the design flexibility of a perforated solution.

Creating a subtle 'veiled' effect, through which both natural light and air can penetrate, Kalzip's new perforated solution provides an innovative, low maintenance and lightweight alternative to the more traditional steel and timber façade systems.

At night, the introduction of lighting behind the perforated façade adds a totally new dimension to the building envelope. The versatility of this inspiring product gives architects and specifiers an almost unlimited range of design possibilities to create some of the most striking, semi-transparent structures of modern day architecture.

As Kalzip only permits its systems to be installed by its approved Teamkal Network, the quality of installation can also be assured so that product performance is never compromised.



Commercial building, Austria

High school, Offenbach



Interspar Villach



Hospital car park, Ulm



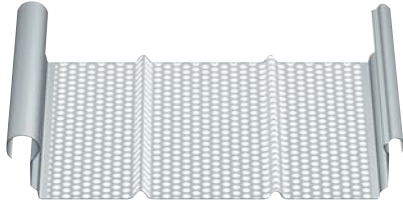
Hospital car park, Ulm



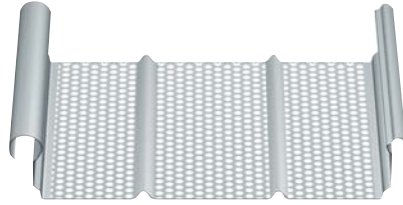
Commercial building, Austria

Technical details

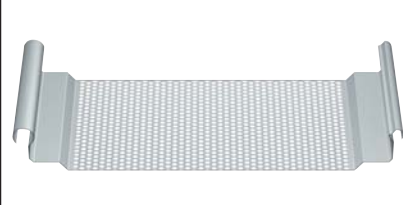
Finishes	Stucco embossed, AluPlusPatina, colour coated available on request
Standard profiles currently available	Kalzip 65/305, Kalzip 65/400, Kalzip 65/500, Kalzip 50/429 as standard, other profiles available on request
Thickness	1.0 mm and 1.2 mm as standard
Forms	Straight, convex curved, concave curved



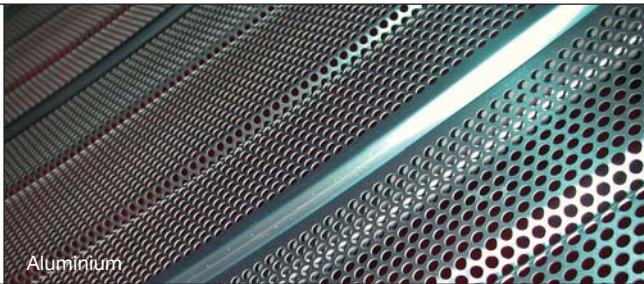
Kalzip KZ 65/305P



Kalzip KZ 65/305P - increased strength (non perforated ribs)



Kalzip AF 65/434P



Aluminium



TF37/800R

Design variations

Currently available as standard in four Kalzip standing seam profiles and also the TF37/800R cladding sheet, the new solutions provide perforation either across the entire pan base or to the flat base areas only, offering both an alternative appearance and increased strength for more hostile environments. Offering superb flexibility, the perforated sheets can also be curved to create a range of innovative designs.

Featuring circular perforations, each profile will be subject to a slightly different grid pattern based on hole diameters and spacings.

Material performance

The perforation of the material does not in any way diminish or compromise the robustness, durability or the maintenance free qualities of the Kalzip aluminium

sheets. Similarly, the ability for the Kalzip sheets to be easily unzipped at the end of the building's life and either reused or recycled is not affected by the perforated design.

A different perspective

In addition to the above, the opportunities for perforated material are endless. The versatility of the product lends itself to soffit applications, internal ceiling and wall cladding, even wind break barriers for bridges.

Combining coloured with non-coloured sheets, perforated with non perforated and the use of creative lighting gives architects the design flexibility to create visually stunning buildings with their own individuality and character.



Hospital car park, Ulm



Internal ceiling application



www.kalzip.com

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