

Kalzip perforated solutions

A 'transparent'approach tofaçades

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:

- Acosteffectivesolutionfortherefurbishment of older building stock, to give structures a new lease of life and an attractive uniform appearance.
- Providesbuildingswithaddedprotectionfrom vandalism and decay, particularly in harsh environments.
- Addsaestheticallypleasingfaçadestootherwise crude elevations such as multi storey car parks or unsightly plant rooms.
- Offerslimitlessdesignoptionsthroughthe co-ordination of light, shape and texture.
- Idealasalightweight, bespokesunshading solution that allows both air and light infiltration whilst also protecting from excessive solar gain through glass façades.
- Helpsreducewindloads, particularly in exposed areas.

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.







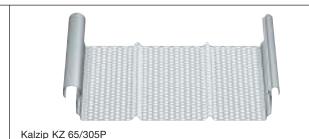






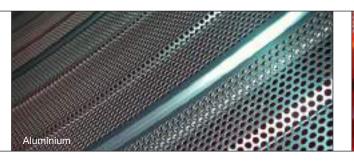
Technical details

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 AF 65/434P





Design variations

Currently available as standard in four Kalzip standing seam profiles and also the TF37/800R cladding sheet, these new solutions provide a variety of perforation ratios and diameters across the entire pan base area to create stunning aesthetics and maximum functionality. The perforated sheets can also be curved to produce a range of innovative designs.

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.





