



EeSoffit™
Seamless
Soffit
Surface

About EeStairs

EeStairs make feature stairs and balustrades of exceptional beauty, precision and structural integrity in Europe, North America and Asia. We work closely with leading architects, interior designers, engineers and high-profile commercial and private clients to produce stairs of outstanding formal, material, and technical quality.

EeStairs controls the entire stair-making and installation process. We collaborate in taking original designs through the final detailed and engineering stages. We fabricate according to the ISO9001 and ISO14001 quality systems in our BREEAM Outstanding factory. We then install the stairs and balustrades using our own experienced installation teams.

We are innovators. Our engineers and materials specialists continue to develop sophisticated, and often unique, detailing systems to ensure that our clients' original designs and specifications will always produce stairs of superb architectural quality – and also be a delight to use.

The culture of excellence at EeStairs is driven by a single intensely focused desire: to create Beauty Between Levels.



What is EeSoffit?

The EeSoffit™ guarantees strong, super-smooth soffits and perfect edges even on staircases with complex geometry, such as spiral or elliptical stairs – which is very difficult and time-consuming to achieve with plaster soffits.

Traditional handmade plaster soffits, and soffits made with standard boards, are not always perfectly smooth or precisely edged, and they are prone to movement and cracking or scratching. EeStairs developed the EeSoffit™ system to deliver absolutely smooth, seamless soffits for feature stairs – even those with dramatic geometries and tight radiuses.

The water-based EeSoffit™ system is stable and is not affected by changes in humidity or temperature, and this is why it can be joined to stringers or balustrades made with different materials. The factory-prepared EeSoffit™ surfaces are applied on site by EeStairs installers and provide an excellent substrate for a range of different paint finishes.

Guarantees
Strong
Super
Smooth
Soffits

EeSoffit: The key benefits

- 1 — Smooth and stable. EeSoffit™ guarantees a smooth, stable, geometrically accurate soffit, and it can be applied to stairs quicker than plaster soffits.
- 2 — Tough. Unlike plaster, the EeSoffit™ is tough and tear-resistant and provides a perfectly smooth and consistent surface for gloss, matt, and satin finish paints.
- 3 — No solvents. The EeSoffit™ material is water-based, without solvents.





Toison d'or, Brussels

Le Toison d'Or is a high-end Brussels retail and apartments development, and the emphasis is on luxury and refinement. The lead architects, UNStudio, are famous for the innovative geometry of their buildings, and the fluid form of Le Toison d'Or is matched internally by the elegant lines of the helical staircase leading to the apartments.

The perfect lines of the soffits and handrails required extremely accurate craftsmanship and installation by EeStairs. The super-smooth EeSoffit™ accentuates the flow and precise edge-lines of the stair geometry. The outer balustrades required 45m of curved and straight sections of toughened glass, and on the inner balustrade the wooden handrails sit on elegant Y-shaped balusters with slim sections.





Customisation

The EeSoffit™ system was designed to be versatile, so that it could be customised in different ways by architects or interior designers – without losing geometric accuracy or surface smoothness.

Three examples give a useful idea of the range of EeSoffit™ customisations that can be specified.

In London, the monumental 12-ton helical staircase at the offices of Bird & Bird features high steel balustrades with a dark ‘antique’ surface treatment. The EeSoffit™ has been given exactly the same colouration.

In Liege, Belgium, our staircase at the Longchamp store has an extremely narrow EeSoffit™ with an angular cross section, but the surfaces and corners are absolutely accurate.

And the EeSoffit™ can be used on wide stairs. For example, the helical staircase we made and installed at Tilburg University, Holland, has a diameter of six metres and a considerable soffit surface area.



A photograph of a modern building facade. The left side features a series of vertical, light-colored concrete columns that create a rhythmic pattern. To the right, a wall of grey stone panels is visible, with a row of small, square windows near the top. The sky is a clear, deep blue. The text 'OZC, Tilburg' is overlaid in white, sans-serif font across the center of the image.

OZC, Tilburg

OZC, Tilburg [NL]

One of the Netherlands' top universities, Tilbury University, required a large staircase for one of its key public spaces.

A large full-turn helical staircase that reaches seven metres in height and has a diameter of more than six metres was designed by our team and constructed from the base up on-site.

White is used throughout the staircase in-keeping with the building's existing interior and it incorporates EeStairs' EeSoffit finish, giving the staircase and glossy white appearance.





Steven talks EeSoffit

Architecture writer Jay Merrick talks to EeStairs UK director Steve Bray about the EeSoffit™.

Jay Merrick: What was the central idea that led to the EeSoffit™ system?

Steve Bray: We wanted to make stair soffits absolutely smooth and, in the case of helical stairs, geometrically perfect. We knew that if we could solve this challenge, our helical stairs would be sculpturally beautiful.

JM: Is there no way to get this degree of accuracy with standard soffit materials?

SB: If you make soffits with plaster over battens it's much harder to achieve perfect smoothness, and there's a shadow-gap between the soffit and the stringers. Cast GRG panels are quite smooth, but the shadow-gap problem remains. EeSoffit™ is in a league of its own for achieving a pure monolithic aesthetic without shadow gaps or expansion joints.

JM: What materials are used for the EeSoffit™?

SB: We'd rather not say! We invested heavily in R&D to get the EeSoffit™ system precisely right, and developed a substrate and special impact-resistant base coat for paints that can take various top coats and wood surfaces. Crucially, the EeSoffit™ is outstandingly stable, with almost zero movement.

JM: And on site, what are the final touches?

SB: The top coatings or wood surfaces, obviously. But, before that, the key thing is that we fill any hair-line gaps between the EeSoffit™ and the stringer with the very stable impact resistant coating.

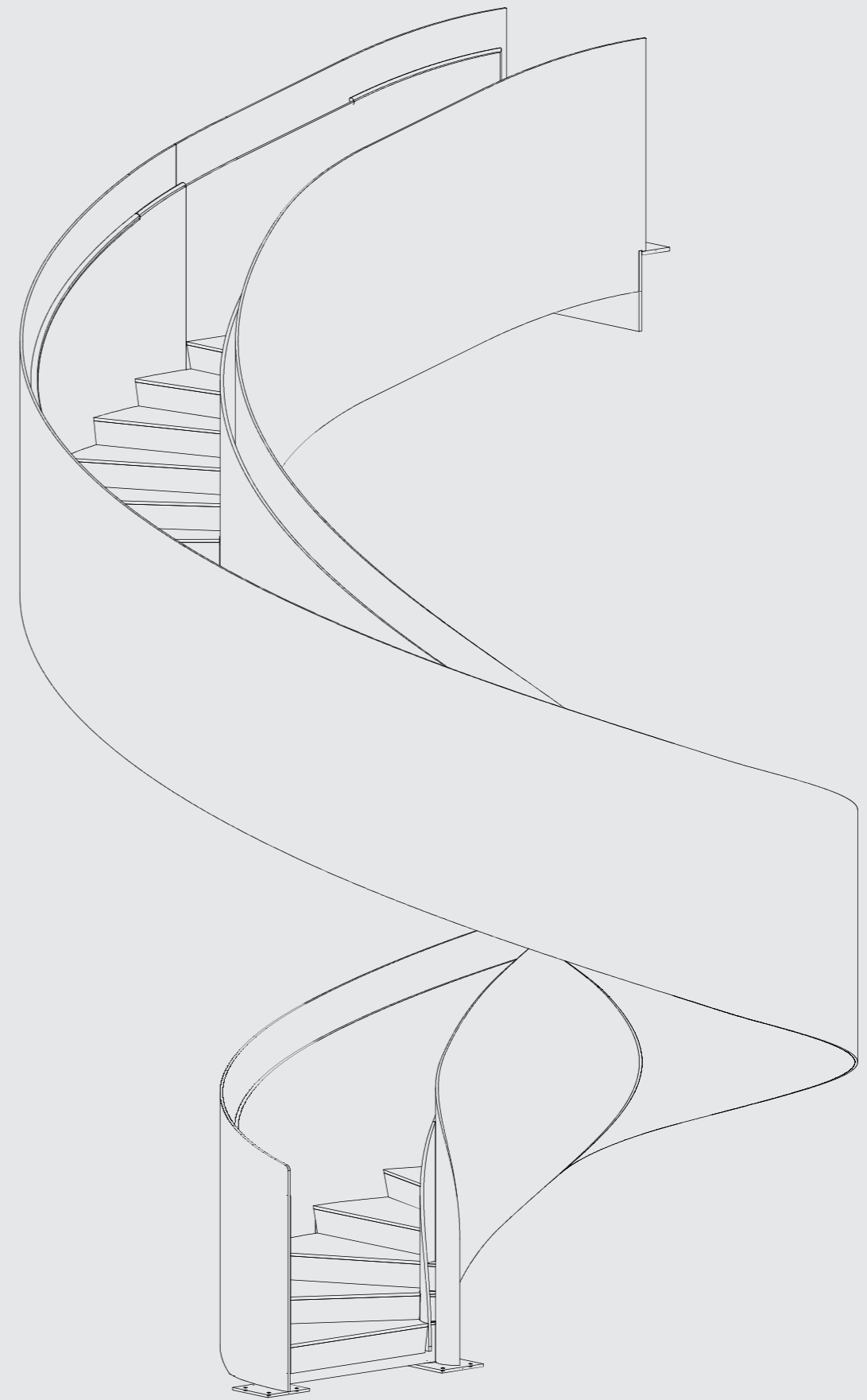
JM: Is there a single thing that proves the geometric accuracy and quality of finish for the EeSoffit™?

SB: Yes. Quite apart from the exceptional surface smoothness, just look at the edge of the soffit where it meets the stringer. Now, that's real precision!



Specification

Composition	Lightweight, mouldable core with a rigid outer skin
Structure	Available in a smooth finish with a fine or coarse structure
Form	Can be formed in 2D and 3D shapes
Function	A monolithic soffit system for enhancing a feature staircase whilst delivering stability and impact resistance
Finish	The rigid outer skin that is suitable for the application of paint or other decorative finishes





EeSoffit™ by EeStairs

Innovations & Products

1m2™

Cells™

EeSoffit™

groovEe™

NextGen™

TransParancy™ 1-01

TransParancy™ 1-02

TransParancy™ 1-03

NEN

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