

AXYL

Allermuir

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Benjamin Hubert | LAYER

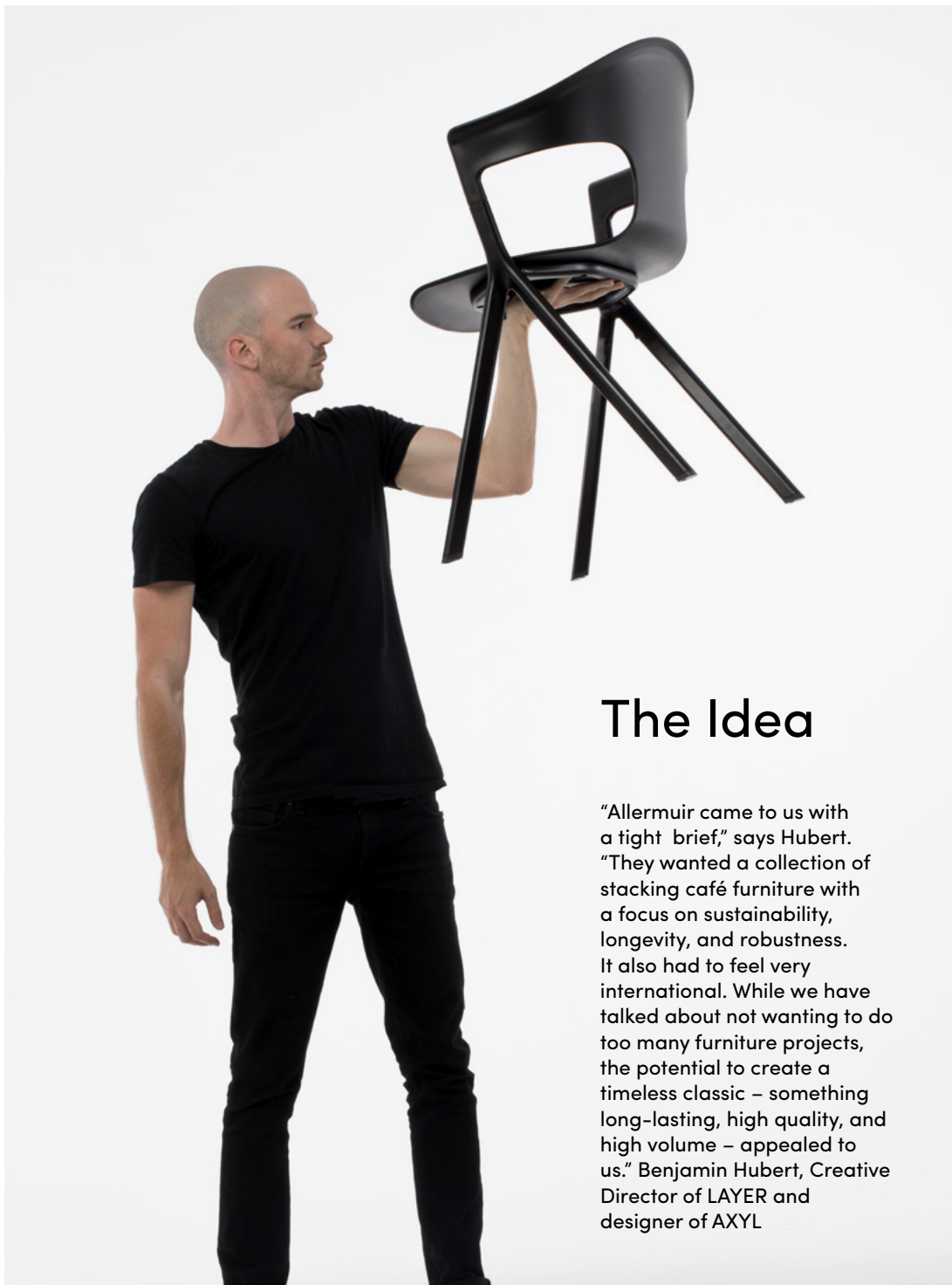


A Comfortable Experience

A comfortable user experience is at the heart of AXYL. The chair features a softly geometric, injection-moulded shell designed to embrace the sitter. The AXYL stool features a plastic seat with double waterfall edges and double footrests to maximise comfort no matter which side a user approaches it from.

The finish on both the plastic seat shell and recycled aluminium frame is smooth and inviting, and the shell features elegant curves that recall the classic language of Mid-Century design. The connections are fluid and integrated, keeping the form sleek and minimal yet still expressive.





The Idea

“Allermuir came to us with a tight brief,” says Hubert. “They wanted a collection of stacking café furniture with a focus on sustainability, longevity, and robustness. It also had to feel very international. While we have talked about not wanting to do too many furniture projects, the potential to create a timeless classic – something long-lasting, high quality, and high volume – appealed to us.” Benjamin Hubert, Creative Director of LAYER and designer of AXYL



The Process

The development of the AXYL collection involved a rigorous design and prototyping process over two years, which took place at LAYER’s London studio and Allermuir’s UK factory. The team conducted in-depth market and materials research, mindstorming workshops, and ideation sessions before developing four concepts, including the inverted Y-frame concept that would become AXYL.

“The AXYL concept jumped out at us,” says Hubert. “It balanced an exciting design story with the potential for high-

volume production and utilised a new and ownable design language that still felt familiar.” Over the next 18 months, 25 prototypes were produced to test form, format, details, construction, and comfort.

“The commitment from Allermuir to produce numerous, extremely high-quality prototypes meant that we could develop AXYL quickly,” says Hubert. “A lot of the subtleties that make a product sophisticated – connections, details, and curves – were refined during this process.”

A Strong Silhouette

The AXYL collection is based around an inverted Y-frame – which gives each product both a high level of structural integrity and a unique design language. The triangular elements have been engineered to provide maximum strength with the most efficient use of materials. As a result, the collection has a distinctive, instantly recognisable silhouette that is made familiar through

its reference to a traditional A-frame typology and subtle details inspired by Mid-Century design. “The inverted Y-frame that we developed for AXYL was a challenging engineering study,” says Hubert. “We embarked on a long prototyping process during which the form and detailing changed significantly from the initial drawings.”







A Simple Statement

The AXYL collection is a combination of elements that come together to create a distinctive new design language. Each piece in the collection utilises a strong geometric design language that is entirely original yet draws on familiar references, such as the A-frame typology and a Mid-Century Danish wrap-around shell.

“We wanted to make the product timeless, and the challenge was drawing the line between what feels familiar and what’s really new,” says Hubert. “It’s essential in its language but still expressive – it’s a fine balance.”

The distinctive Y-frame is based on the traditional

A-frame, inverted and reduced to create a new, visually engaging silhouette with the structural integrity to stand up to robust use. This is connected to the softly geometric plastic chair shell with smooth and fluid joining details that visually and mechanically bring the two elements together seamlessly.



Stacking

It was essential that the AXYL chairs be stackable – for ease of transport and storage in both commercial and residential settings. While the A-frame format, on which the inverted Y-frame is based, is a classic stacking format, it was challenging to translate this functionality to the new silhouette.

A carefully engineered solution means that the AXYL chair is able to stack four high. An innovative stacking buffer system, which is colour-matched to the frame, allows the chairs to seamlessly stack seat-to-seat.





The DNA of AXYL

The AXYL family is united by its structural form, and inverted Y-frame, which is softly geometric. This element has been combined with soft, injection-moulded plastic elements, including seat shell and stool top.

“The collection is very architectural, but still soft in its language,” says Hubert. “AXYL is essential in its language and number of components, but still expressive – the products have soul and personality and that gives them the potential to stand out from the more clinical contract products on the market.”



Layers of Sustainability

Allermuir and LAYER share the belief that sustainability is not one-dimensional, but rather a layered quality that engages with eco-friendly materials, efficient and intelligent design, and longevity – all of which are integral to the AXYL collection.

“In designing a new collection for Allermuir, it was important to approach sustainability in a multi-layered way,” says Hubert. “AXYL is high-quality, robust, modular, and makes efficient use of eco-friendly materials – but none of that matters unless it is also timeless. That is where the idea of expressive minimalism comes into it.

We want people to be able to live with these products for a very long time and not tire of them.”

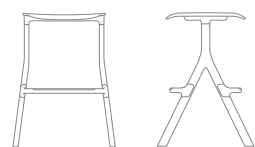
The inverted Y-frame silhouette has been carefully engineered to make efficient use of materials, and is made from recycled aluminium. The shell is available in a number of different recyclable plastic finishes, including a biodegradable composite plastic. Each product in the collection is modular, and components are mechanically fitted together, so each piece can be efficiently packed and easily transported and easily disassembled for recycling at the eventual end of its life.



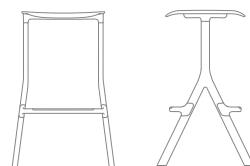
Dimensions



Overall Height – 780mm
 Overall Width – 605mm
 Overall Depth – 565mm
 Seat Height – 450mm
 Seat Depth – 435mm
 Seat Width – 415mm



Overall Height – 645mm
 Overall Width – 495mm
 Overall Depth – 465mm
 Seat Height – 645mm
 Seat Depth – 385mm
 Seat Width – 400mm



Overall Height – 750mm
 Overall Width – 495mm
 Overall Depth – 465mm
 Seat Height – 750mm
 Seat Depth – 385mm
 Seat Width – 400mm

Finishes

Plastic shell



Wood fibre shell



Aluminium frames

