

AXYL

COLLECTION

**Allermuir**

×

Benjamin Hubert | LAYER

AXYL

Allemania  
x  
Benjamin Hubert L'AVIR

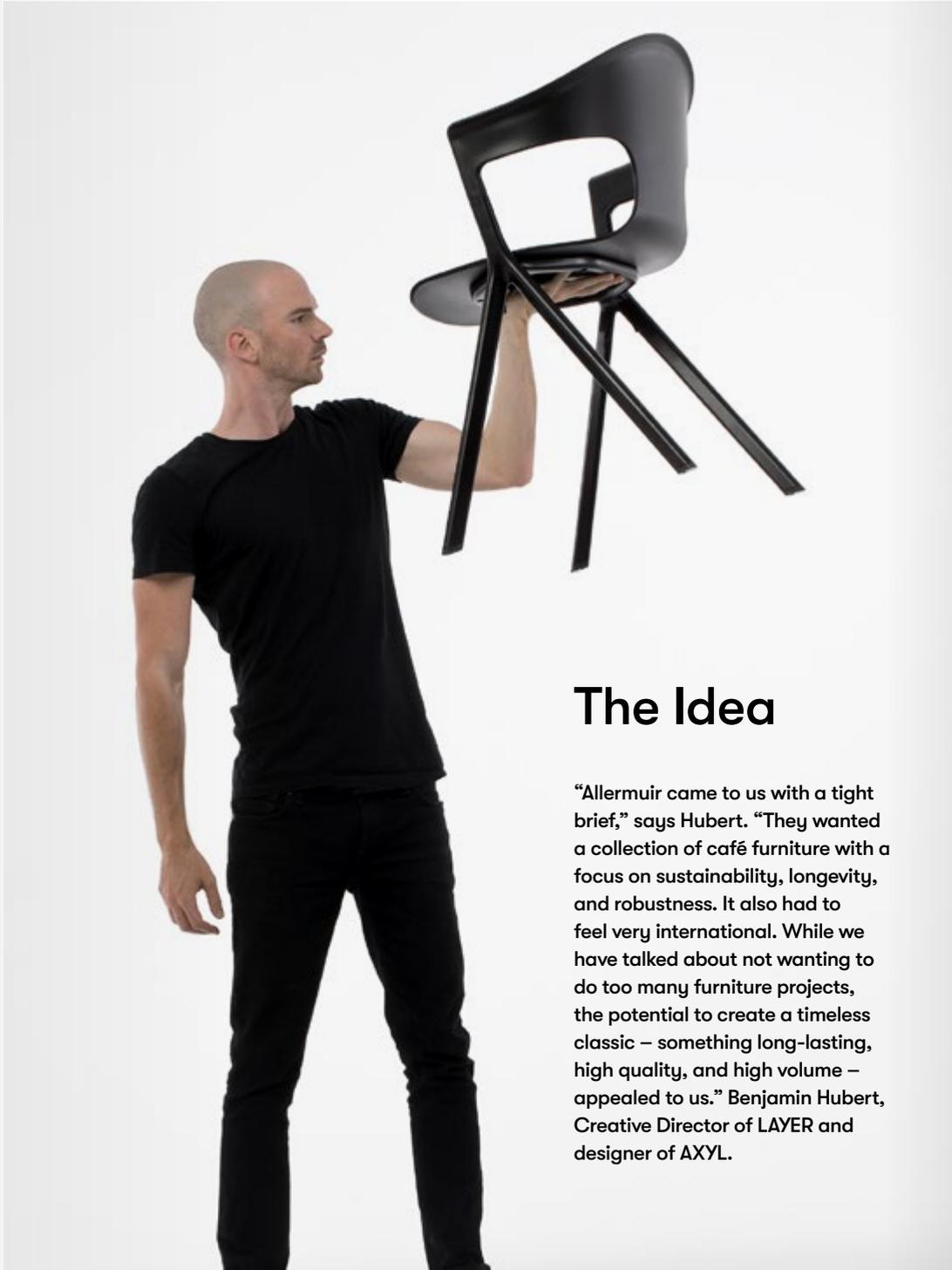


## A Comfortable Experience

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 bench features a fluid, organic formed seat made from a single piece of seamless ply.

The finish on all of the shells and recycled aluminium frames are smooth and inviting. 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 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.”





## Design foundations

The AXYL bench comprises of a cast aluminium frame and plywood seat which share the same design language as the rest of the collection.

It is modular in format, and available with a variety of interchangeable elements, including colour and finish of the frame and seat, length of the bench, and options of armrests, seat pads and fully upholstered shells.

## 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.





## 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.





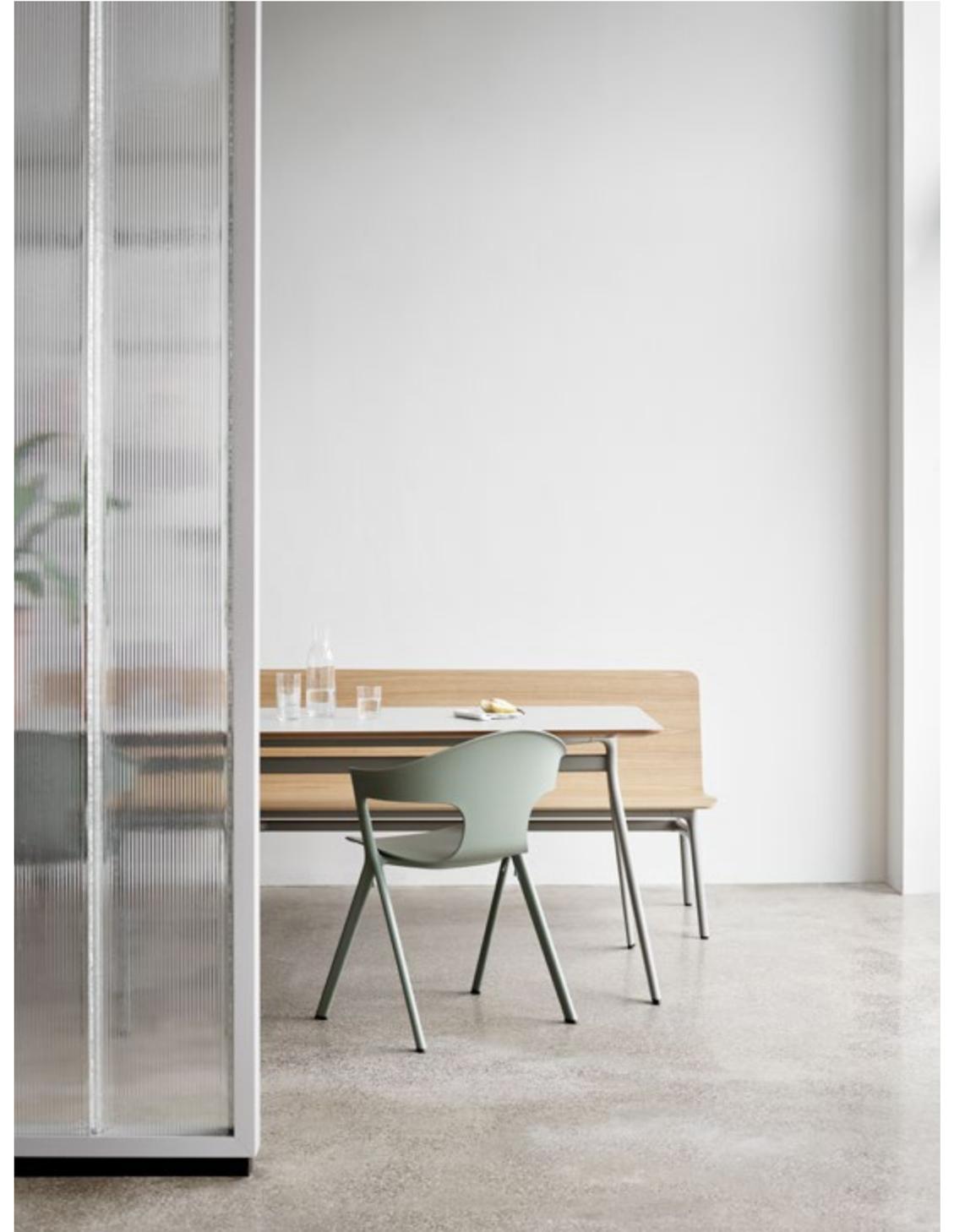
## Strength and Stability

AXYL tables are exceptionally robust for continued use in high impact areas. They have been designed to be a statement of simplicity, to eliminate distractions and create a place that allows people to comfortably come together to sit, meet, eat and drink.



## 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 and carefully considered table top details.





## 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.

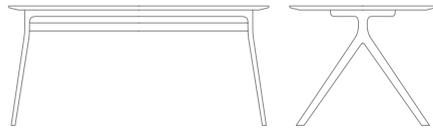
We want people to be able to live with these products for a very long time and not tire of them.”

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 / 30.75"  
 Overall Width — 605mm / 23.75"  
 Overall Depth — 565mm / 22.25"  
 Seat Height — 450mm / 17.75"  
 Seat Depth — 435mm / 17.25"  
 Seat Width — 415mm / 16.25"



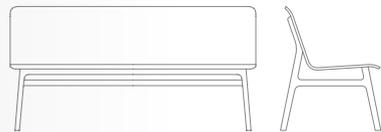
Overall Height — 740mm / 29.25"  
 Rectangular — 1600 x 900mm / 60 x 36"  
 Rectangular — 2000 x 900mm / 78 x 36"  
 Rectangular — 2400 x 900mm / 96 x 36"



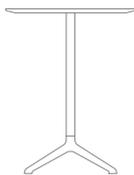
Overall Height — 750mm / 29.5"  
 Overall Width — 495mm / 19.5"  
 Overall Depth — 465mm / 18.25"  
 Seat Height — 750mm / 29.5"  
 Seat Depth — 385mm / 15.25"  
 Seat Width — 400mm / 15.75"



Overall Height — 740mm / 29.25"  
 Circular — 800mm / 32" dia  
 Circular — 900mm / 36" dia  
 Square — 750mm / 30"



Overall Height — 820mm / 32.25"  
 Overall Width — 1600 or 2000mm / 63 or 78.75"  
 Overall Depth — 655mm / 25.75"  
 Seat Height — 440mm / 17.25"  
 Seat Depth — 440mm / 17.25"  
 Seat Width — 1600 or 2000mm / 63 or 78.75"



Overall Height — 1020mm / 40.25"  
 Circular — 800mm / 32" dia  
 Square — 600mm / 24"  
 Square — 750mm / 30"





