

HAL family product paper

vitra.



HAL Family

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'Special is generally less useful than normal': this statement sums up Jasper Morrison's guiding principle for creating designs that are 'super normal' rather than extraordinary, showing deference to the dictates of daily life – just like HAL. As a reinterpretation of the multifunctional shell chair, HAL is a versatile seating family with a clean contemporary look. The shape of the seat shell provides great freedom of movement in a variety of sitting positions – even sideways or astride the chair.

The many different chair bases can be combined with a seat shell in recycled plastic (HAL RE), in plywood (HAL Ply) or with a lightly padded shell covered in leather (HAL Leather). In the versions with a plastic shell and powder-coated base, HAL is also suitable for use in outdoor settings. All versions of HAL are optionally available with a fabric seat cover in a choice of colours, and models with a plastic shell can be additionally outfitted with a fixed seat cushion.

The related HAL Armchair rounds out the HAL family.

An overview of the HAL family



Metal Tube Bases

Wood Base

Studio Chair



Barstools



On Stretcher

HAL Family

vitra.



HAL Ply

HAL RE

HAL Soft

HAL RE

RE stands for recycled material



HAL RE marks another product that Vitra has converted to recycled plastic.

HAL is Jasper Morrison's interpretation of a shell chair in the tradition of the Plastic Chair by Charles and Ray Eames, which can be used in many ways thanks to different bases - from the dining table to the meeting room, from the bar to the auditorium. Now Vitra has further developed the HAL designed in 2010: The seat shell of HAL RE is made of recycled plastic.



The recycling material for HAL RE stems from Germany's 'Yellow Bag' (Gelber Sack) collection of household waste, which primarily consists of used packaging. Utilising this recycled material instead of the previous plastic generates fewer climate-damaging emissions and also consumes significantly less energy. Due to the composition of the recycled material, the various colour versions are interspersed with tiny specks of pigment. White is the only colour that cannot

yet be implemented in the new material, but will follow as soon as technically feasible. The HAL RE seat shell can also be 100% recycled at the end of the product's life, fulfilling the strict ecological requirements that Vitra places on new materials and solutions in the development and manufacture of its products.

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HAL Ply

Ply is short for Plywood



The HAL wooden seat shell made of plywood offers very good seating comfort due to its slightly flexible and ergonomically shaped shell. One of the material properties of plywood is that it is equally strong in both directions. This makes it possible to define ergonomic properties through the shaping of plywood.



The seat shell made of three-dimensionally moulded plywood is slightly flexible and offers superb comfort. HAL Ply seat shells have an inner core made of three layers of birch, which are easily shaped yet very tough, and a face veneer of light or dark stained oak.

The plywood is pressed into a mould under the application of steam and heat, bent in different directions to form an ergonomic seat and backrest, and then glued under pressure. A transparent coating is applied to the shell to seal the surface and protect it from UV rays.

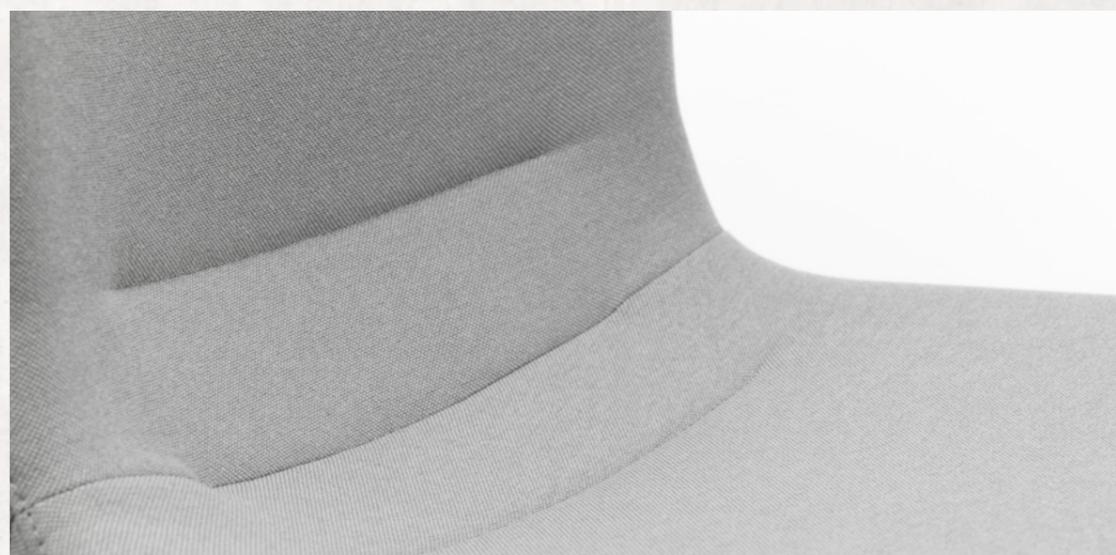
vitra.

HAL Soft

Soft alludes to the comfortable padding



The padded upholstery of HAL Soft provides superb comfort, with rounded contours that soften the appearance of the characteristic HAL shell. The cover is not glued, and can therefore be removed for cleaning or replacement as needed. HAL Soft is available with a variety of cover fabrics.



Laser RE
Laser RE: made from recycled polyester, Laser RE is practical and easy to care for, as well as durable and highly abrasion-resistant, which makes it also well suited for office environments.
Laser RE is available in 25 colours..

Plano
Plano is a robust plain weave with a flat, even texture made of 100% polyester. Thanks to its durability and longevity, Plano is also an ideal choice for office furnishings.
Plano is available in 39 colours.

Volo
Volo is a finely structured wool blend with a refined weave that gives it an elegant appearance. With its

soft look and appealing texture, Volo is a perfect fit for home interiors, but it is also well suited for use in the contract sector.
Volo is available in 17 colours.

Credo
Credo is a durable woollen fabric made of premium worsted yarn with a pleasant feel. It allows for an effective exchange of heat to ensure comfortable thermal conditions for the sitter. The fabric can also be used in office environments.
Credo is available in 22 colours.

Dumet
Dumet is a cotton blend in a plain weave with a lively appearance. The fabric is soft and cool to the touch.
Dumet is available in 20 colours.



Upholstery options



Soft Seat cushion : available for all HAL models in various fabrics and in leather. Types B and C for HAL, and types A, B and C for the HAL Armchair.



Seat cushion in Hopsak available for all HAL RE and HAL RE Armchair models. The seat cushion is fixed to the chair.



Seat cover in Plano removable and available for all HAL RE and HAL Ply versions.

Full upholstery HAL Soft Tube, HAL Soft Tube stackable and HAL Soft Wood in various fabrics.

Vitra Colour & Material Library

→ If you would like to know more about Vitra's fabrics and materials, browse through our library.

Metal bases

HAL RE
Tube Armrests



HAL RE
Tube Writing Tablet



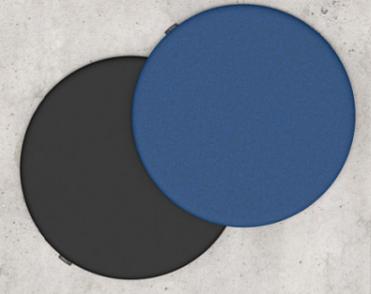
HAL RE
Tube stackable



HAL Ply
Tube stackable



HAL Soft
Tube stackable



HAL RE
Tube



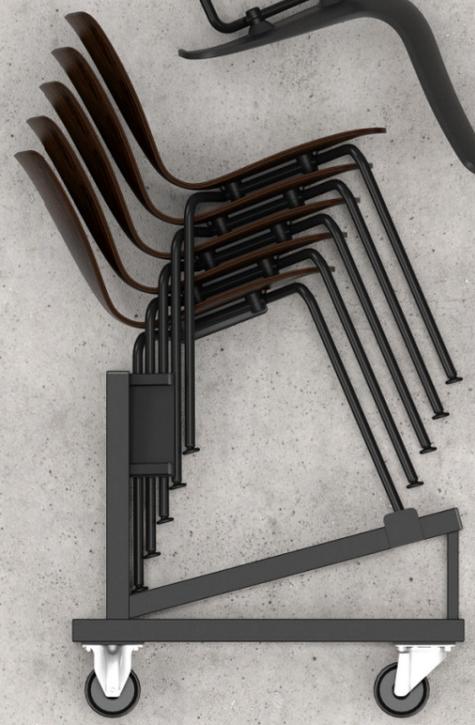
HAL RE Tube
Armchair stackable



HAL Ply
Tube



HAL RE
Cantilever

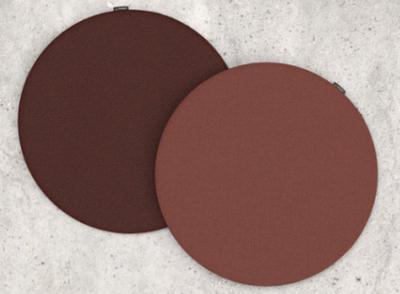


HAL Ply
Tube stackable

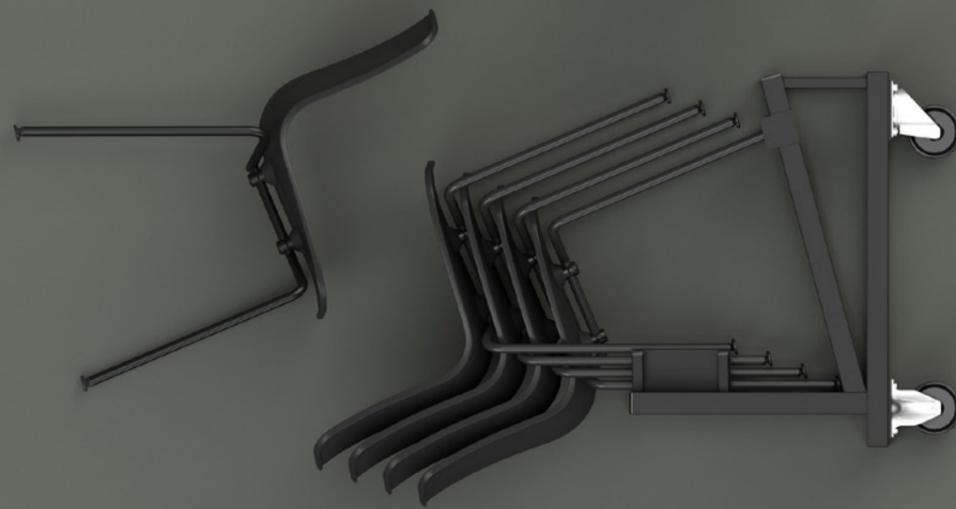
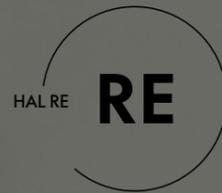
HAL Soft
Tube stackable



HAL RE
Sledge



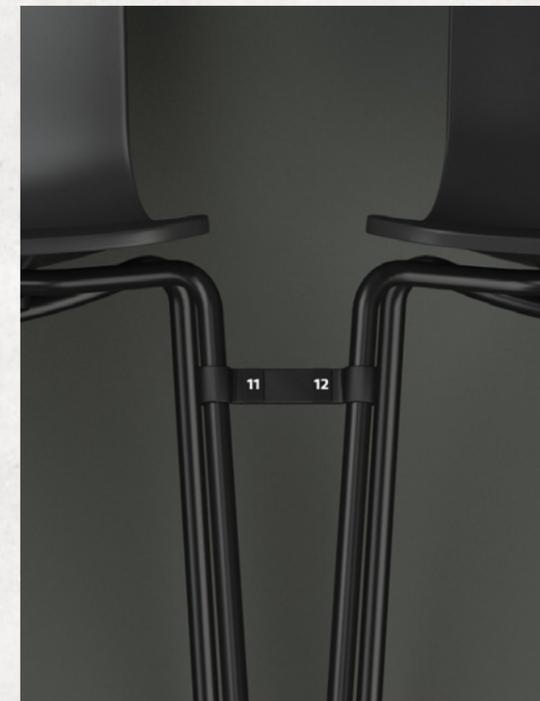
HAL RE Tube stackable



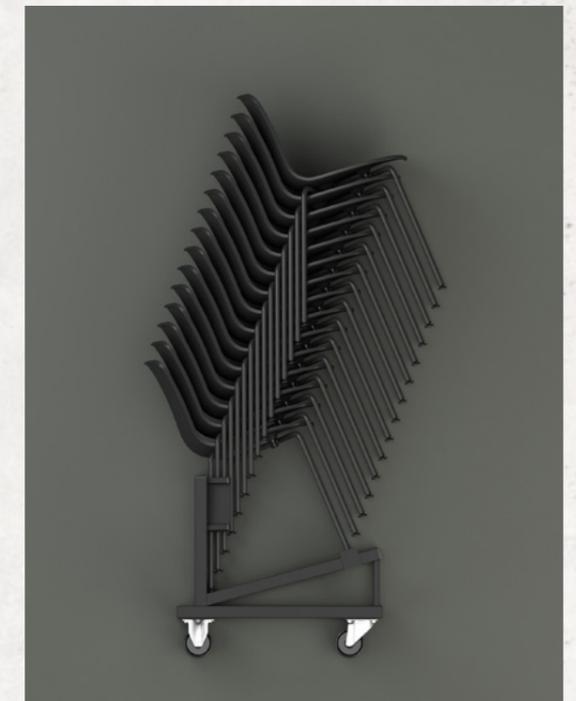
Seat shell made from recycled plastic in a choice of colours, base chrome-plated or powder-coated in basic dark, stackable up to 6 chairs high on the floor and up to 11 chairs high on a stacking trolley. Optionally available with row connectors and seat numbering elements as well as seat cushions (loose or fixed).



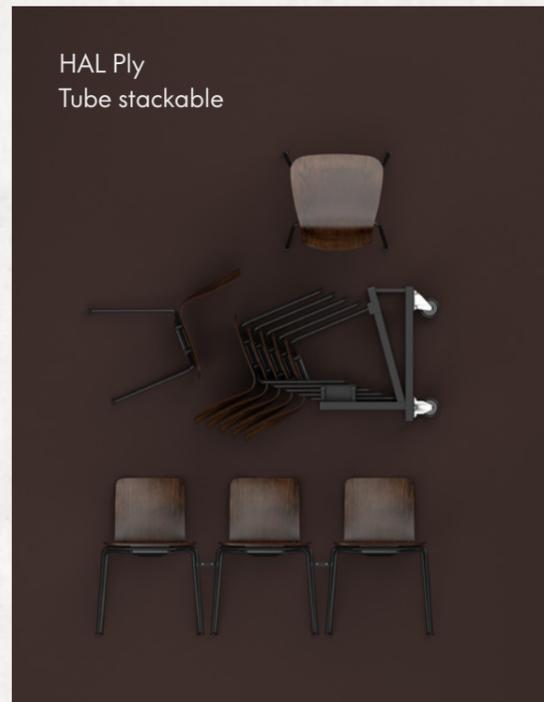
HAL Tube stackable is the perfect choice for row and mass seating and blends unobtrusively into any environment.



Row connectors at 2 intervals (10 + 18 cm) with seat numbering facilitate row seating and ensure a uniform look.

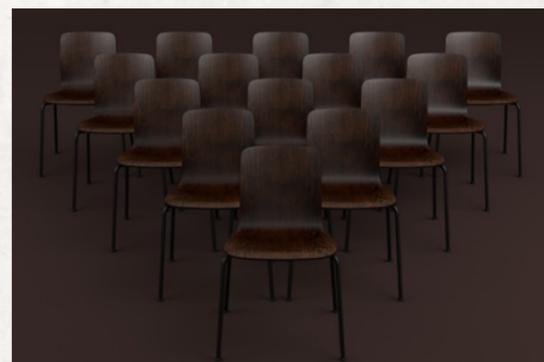


The stacking trolley facilitates flexible use. Up to 11 chairs can be stacked per trolley.

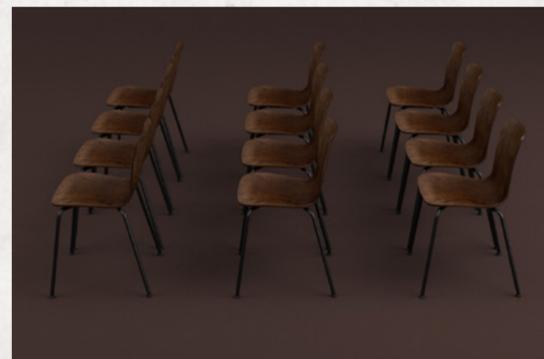


HAL Ply
Tube stackable

Wooden seat shell in natural or dark oak, base chrome-plated or powder-coated in basic dark, stackable up to 6 chairs high.



Harmonious overall appearance even when used in large numbers due to the clean lines of the backrests.



Available with row connectors and seat numbering elements as well as stacking trolleys for up to 11 chairs.

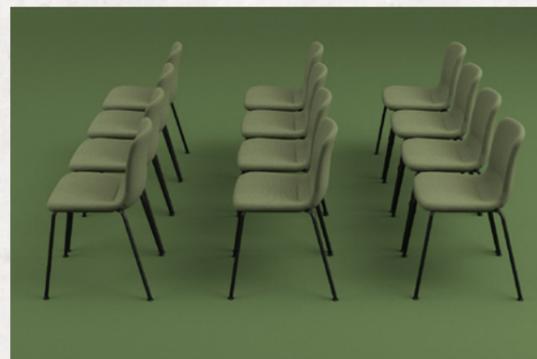


HAL Soft
Tube stackable

Available in a choice of fabrics, base chrome-plated or powder-coated in basic dark, stackable up to 6 chairs high.

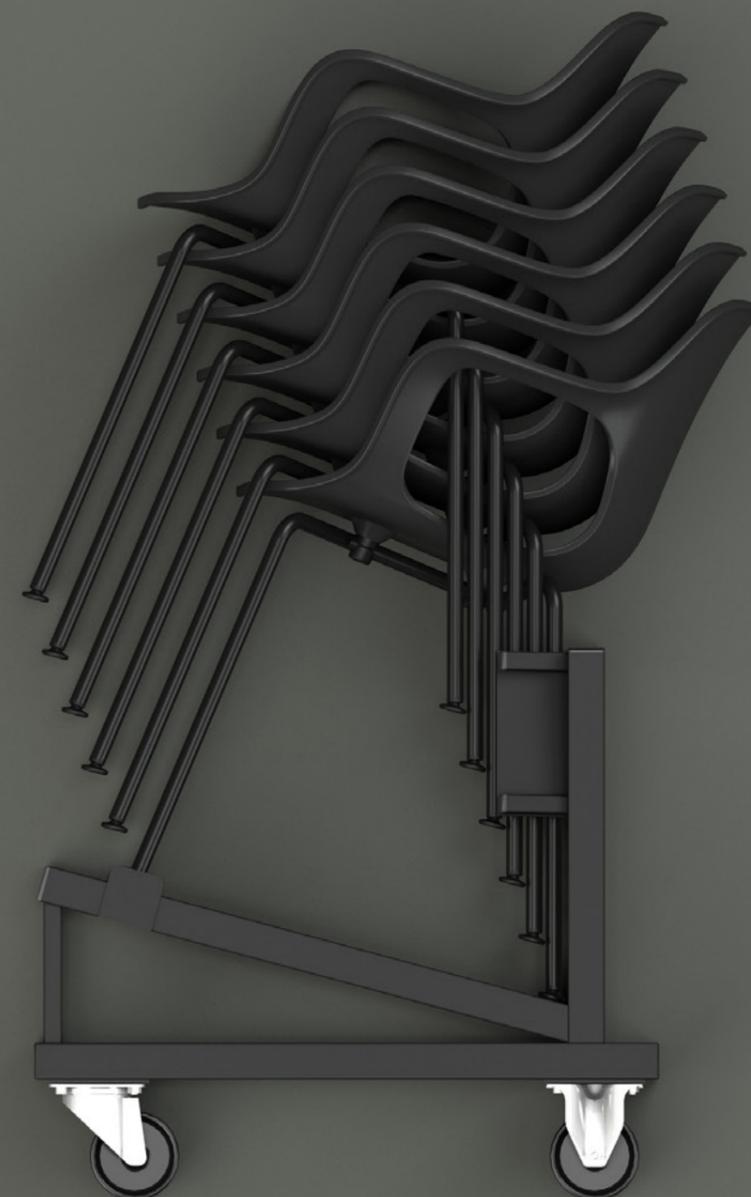


The fully upholstered HAL Soft offers great comfort, without losing its linear aesthetic when used in large numbers.



Available with row connectors and seat numbering elements.

HAL RE Armchair Tube stackable



The organic shell with curved armrests gives the HAL Armchair Tube Stackable an independent shape - and yet shows its affiliation to the large HAL chair family. With its restrained tubular steel four-legged base, it can be stacked when not equipped with the optional seat cushion.

HAL RE Tube Armrest



The large HAL family of chairs by Jasper Morrison shares a clean, contemporary look. For users desiring the comfort and ease of a chair with armrests, HAL RE Tube Armrest is the perfect option.



HAL RE Tube Armrest offers added comfort in waiting areas or restaurants, and the hard-wearing plastic shell is easy to clean.



Row connectors and seat numbering elements facilitate mass seating.



Fixed or loose seat cushions are optionally available for additional comfort.

HAL RE Tube Writing Tablet



With a comfortable seat shell in recycled plastic and a foldable writing tablet, HAL RE Tube Writing Tablet is ideally suited for auditoriums and training venues. An optional stacking trolley facilitates flexible use.

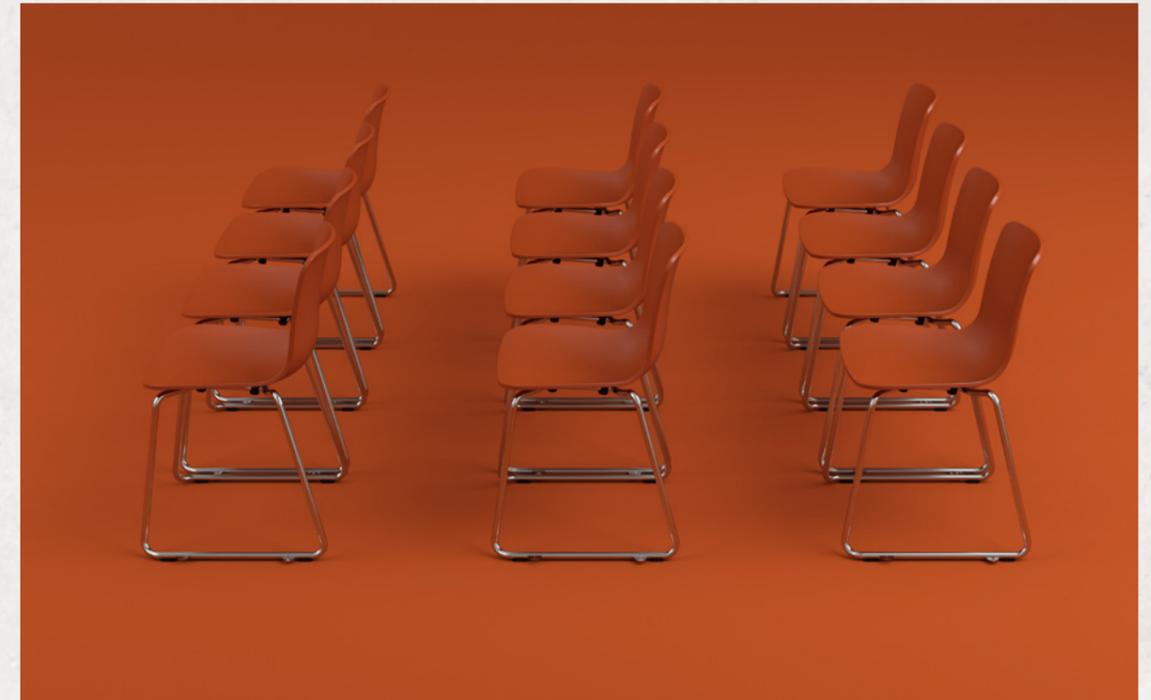


Row connectors (18-cm spacing) and seat numbering facilitate row seating.



HAL RE Tube Writing Tablet can be stacked up to 4 chairs high.

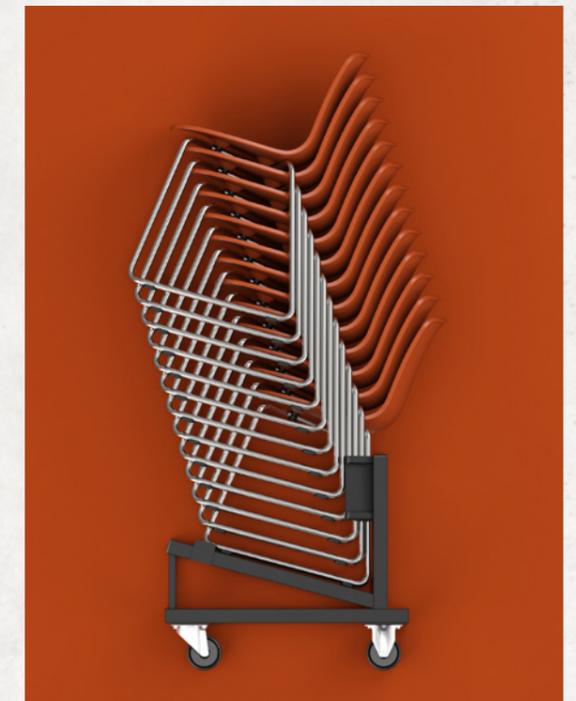
HAL RE Sledge



The sledge base of HAL RE Sledge conveys visual calm and uniformity. The seat shell is made of recycled plastic and is optionally available with fixed or loose seat cushions.



Row connectors are integrated in the base for even spacing between chairs in mass seating arrangements.



HAL RE Sledge can be stacked up to 6 chairs high on the floor, and with up to 13 chairs on a stacking trolley.

HAL RE Armchair Tube Stackable



- **Seat shell:** dyed-through, recycled polypropylene.
- **Base:** stackable four-legged tubular steel base, chrome-plated finish or powder-coated in basic dark. Up to 6 chairs can be stacked on the floor or on a stacking trolley. Chairs with seat cushions should not be stacked, since stacking could damage the upholstery.
- **Note:** as stacking can cause scratches, we recommend the chrome version for this purpose.

HAL Soft Tube



- **Seat shell:** glass-fibre reinforced polyamide. Polyurethane foam padding, replaceable fabric cover (to be carried out by Vitra Service only).
- **Base:** four-legged tubular steel base, chrome-plated finish or powder-coated in basic dark.

HAL Soft Tube Stackable



- **Seat shell:** glass-fibre reinforced polyamide. Polyurethane foam padding, replaceable fabric cover (to be carried out by Vitra Service only).
- **Base:** stackable four-legged tubular steel base, chrome-plated finish or powder-coated in basic dark. Up to 6 chairs can be stacked on the floor.

HAL RE Tube Stackable



- **Seat shell:** dyed-through, recycled polypropylene.
- **Base:** stackable four-legged base made of tubular steel, chrome-plated or powder-coated in basic dark. Up to 6 chairs can be stacked on the floor, up to 15 chairs on a stacking trolley.
- **Note:** as stacking can cause scratches, we recommend the chrome version for this purpose.

HAL RE Tube Armrest



- **Seat shell:** dyed-through, recycled polypropylene.
- **Base:** four-legged tubular steel base, chrome-plated finish. Up to 6 chairs can be stacked on the floor or on a stacking trolley. Armrest colour matched to seat shell.

HAL RE Tube Writing Tablet



- **Seat shell:** dyed-through, recycled polypropylene.
- **Base:** four-legged base in tubular steel, with a foldable tablet desk in black, always mounted on the right (from a seated position). Up to 4 chairs can be stacked on the floor or on a stacking trolley.

HAL RE Tube



- **Seat shell:** dyed-through recycled polypropylene, with optional seat cushion (screwed to the seat shell).
- **Base:** four-legged base in tubular steel, non-stackable, chrome-plated or powder-coated in ivory or basic dark. The powder-coated version is suitable for outdoor use.

HAL Ply Tube



- **Seat shell:** plywood (USA).
- **Base:** four-legged base in tubular steel, non-stackable, chrome-plated or powder-coated in ivory or basic dark.

HAL Ply Tube Stackable



- **Seat shell:** plywood (USA).
- **Base:** stackable four-legged base made of tubular steel, chrome-plated or powder-coated in basic dark. Up to 6 chairs can be stacked on the floor, up to 11 chairs on a stacking trolley.
- **Note:** as stacking can cause scratches, we recommend the chrome version for this purpose.

HAL RE Sledge

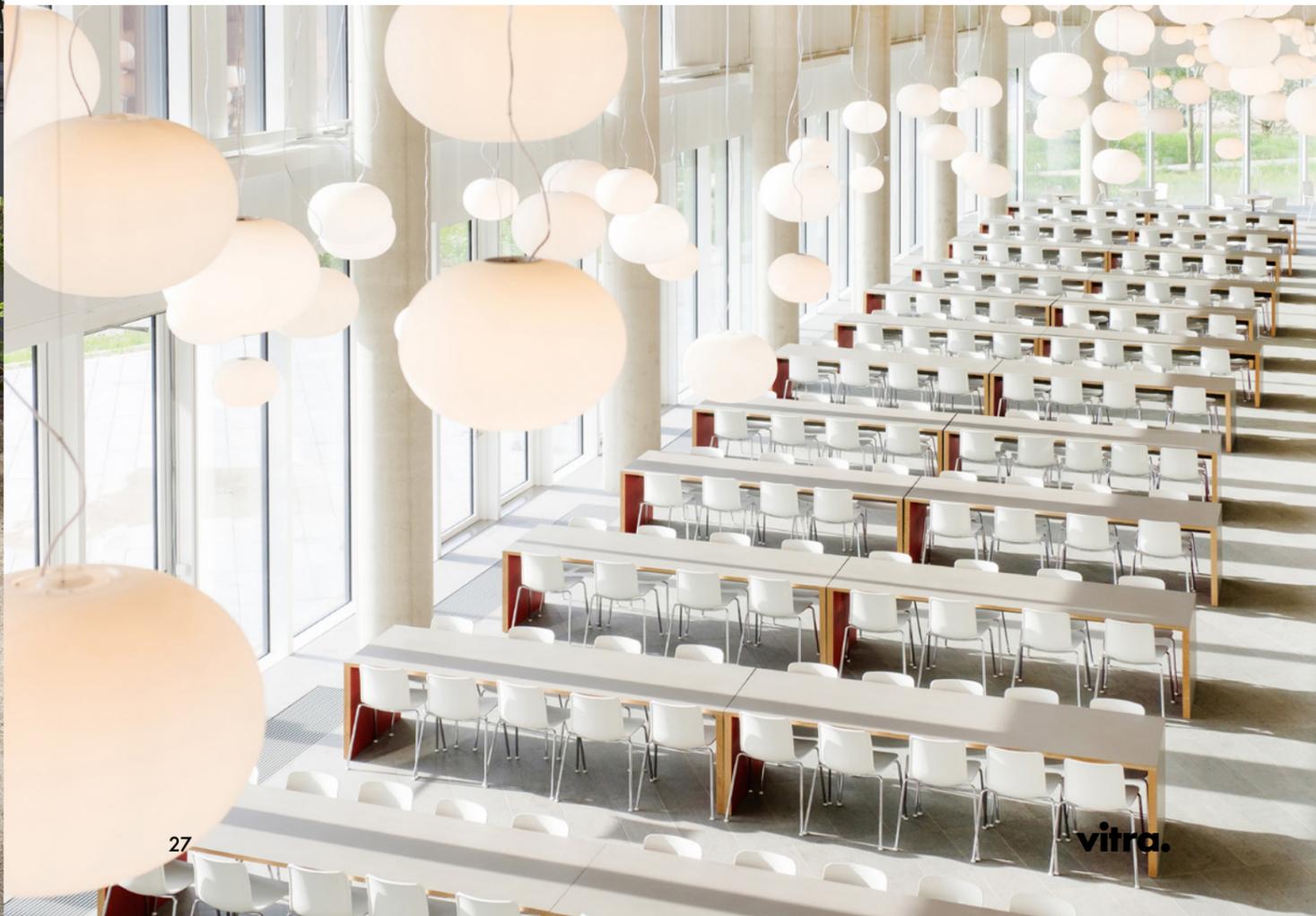


- **Seat shell:** dyed-through, recycled polypropylene.
- **Base:** sledge base in chrome-plated tubular steel. Up to 6 chairs can be stacked on the floor, up to 13 chairs on a stacking trolley. Also available with row connectors.

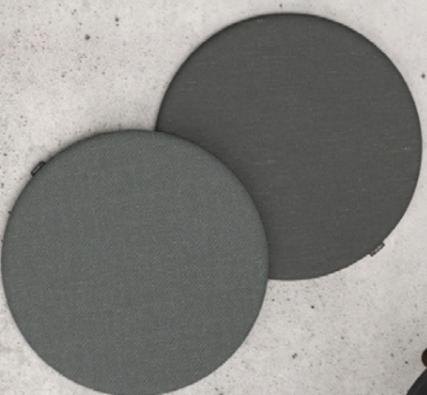
HAL RE Cantilever



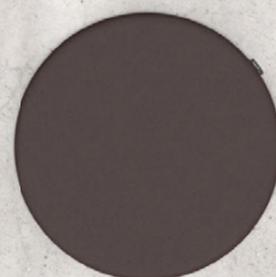
- **Seat shell:** dyed-through recycled polypropylene, with optional seat cushion (screwed to the seat shell).
- **Base:** cantilever base in chrome-plated tubular steel, non-stackable.



Wooden bases



HAL RE
Armchair Wood



HAL Ply
Wood



HAL Soft
Wood

HAL RE
Wood



HAL RE Wood



The seat shell made of recycled plastic in combination with the characteristic wooden legs of HAL RE Wood gives the chair a warm inviting appeal. The non-stackable solid wood base is available in natural or dark oak and with an optional fixed seat cushion in Hopsak.



The wooden shell lends HAL Ply Wood a distinctive look. The shell and base are available in oak in two finishes, natural oak or dark oak, and match tables by Vitra.



For enhanced seating comfort, HAL RE Wood can be fitted with a fixed seat cushion in Hopsak and HAL Ply Wood with loose Soft Seats cushions (type B + C) in a choice of fabrics and leather.



HAL RE Armchair Wood offers additional comfort with its curved armrests.



HAL RE Armchair Wood can also be fitted with a fixed seat cushion or loose Soft Seats cushions (type A, B + C) for increased comfort.

HAL Soft Wood



The wooden base further enhances the warm and casual appeal of HAL Soft Wood. Fully upholstered for superb comfort with a non-stackable base, HAL Soft Wood is available in natural or dark oak. The removable seat cover comes in a choice of fabrics.

HAL RE Wood



- **Seat shell:** recycled, dyed-through polypropylene, with optional seat cushion (screwed to the seat shell).
- **Base:** non-stackable wooden base in natural or dark oak. Connecting element between shell and base in die-cast aluminium, powder-coated in dim grey.
- **Origin of wood:** oak (*Quercus robur*) from Western Europe and/or Poland.

HAL Ply Wood



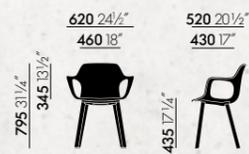
- **Seat shell:** plywood.
- **Base:** non-stackable wooden base in natural or dark oak. Connecting element between shell and base in die-cast aluminium, powder-coated in dim grey.
- **Origin of wood:** oak (*Quercus robur*) from Western Europe and/or Poland.

HAL Soft Wood



- **Seat shell:** glass-fibre reinforced polyamide. Polyurethane foam padding, replaceable fabric cover (to be carried out by Vitra Service only).
- **Base:** non-stackable wooden base in natural or dark oak.
- **Seat shell and base connection:** die-cast aluminium, powder-coated finish.

HAL RE Armchair Wood



- **Seat shell:** dyed-through recycled polypropylene, with optional seat cushion (screwed to the seat shell).
- **Base:** non-stackable wooden base in natural or dark oak. Connecting element between shell and base in die-cast aluminium, powder-coated in dim grey.
- **Origin of wood:** oak (*Quercus robur*) from Western Europe and/or Poland.

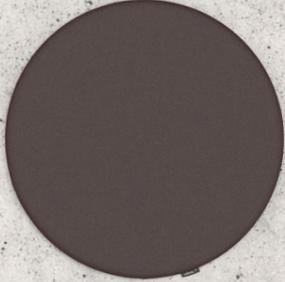
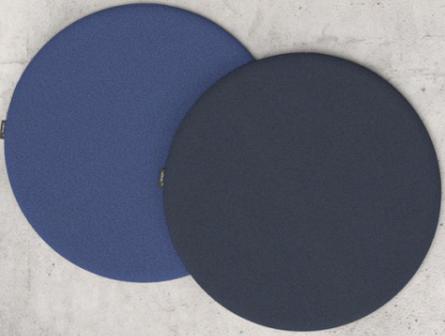


Studio Chairs

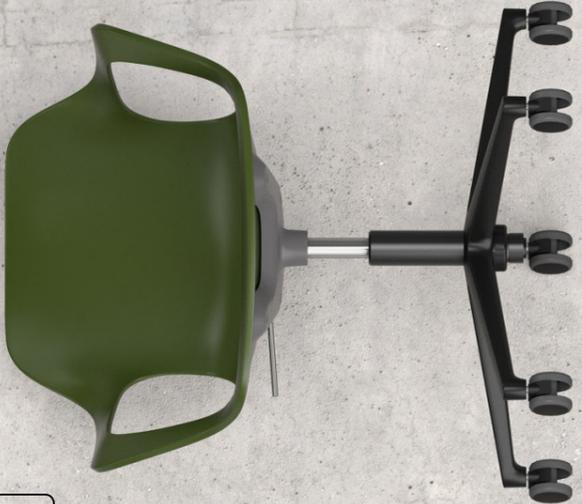


HAL Ply Studio

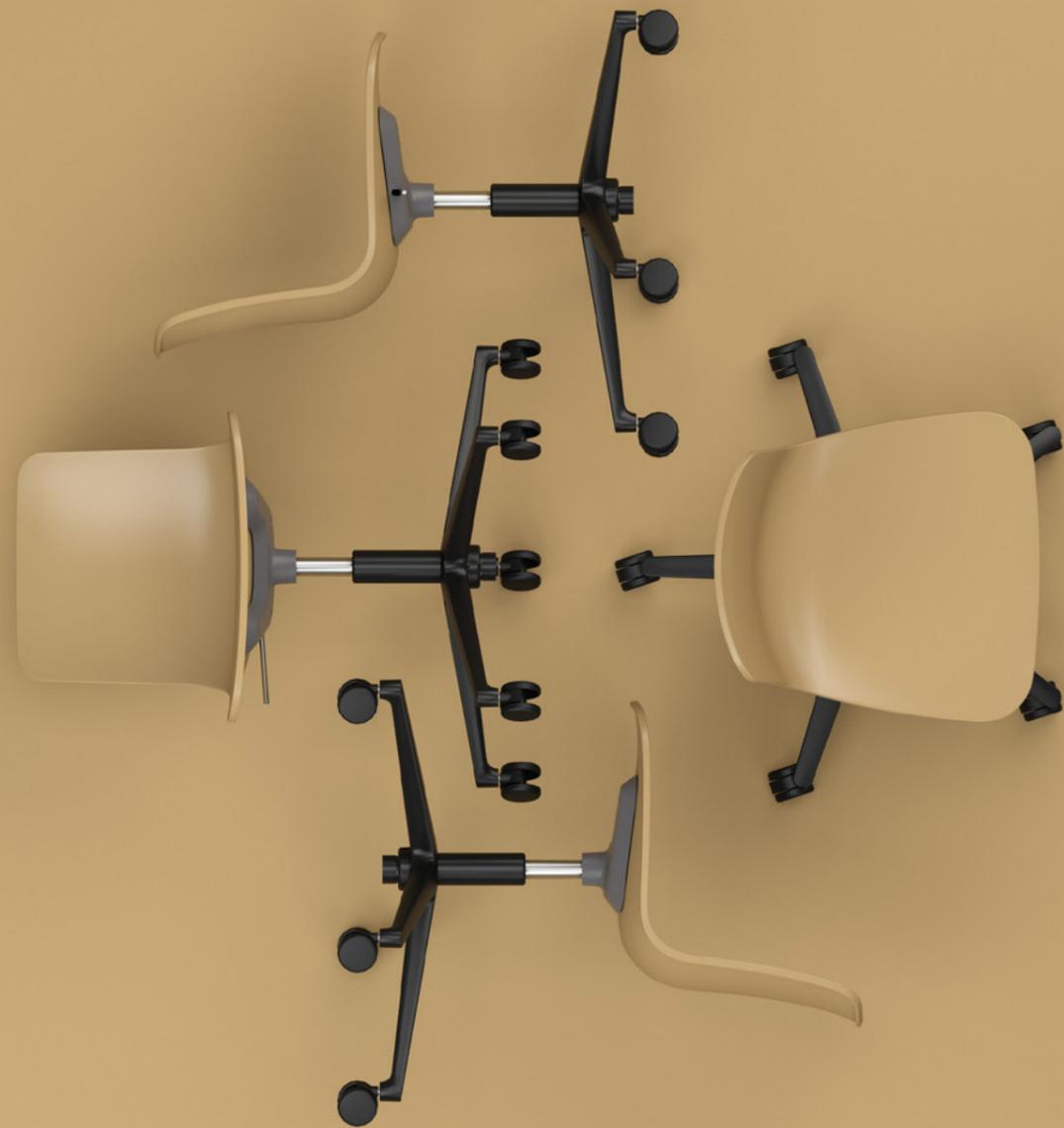
HAL RE Studio



HAL RE Armchair Studio



HAL RE Studio



HAL RE Studio and HAL RE Armchair Studio have a seat shell made of recycled plastic and a swivel-mounted, height-adjustable base in basic dark. The Studio chairs are suitable for short to medium-length periods of sitting in the home office, in meetings, in touchdown areas or in workshop situations.



The HAL RE Armchair Studio offers additional comfort thanks to its armrests. The swivel-mounted base in basic dark on castors can be adjusted in height from 38 to 49.5 cm.



HAL RE Studio and HAL RE Armchair Studio can be fitted with fixed seat cushions in Hopsak or loose Soft Seats cushions. The loose Soft Seats cushion come in 3 shapes (type A, B + C) and a wide choice of fabrics and colours.



HAL Ply Studio is also ideally suited as a touchdown task chair. The wooden shells in light oak or dark oak match the surfaces of tables by Vitra.



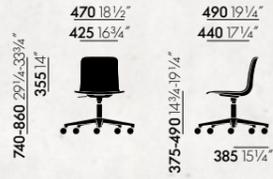
HAL Ply Studio can be equipped with Soft Seats cushions (type B + C).

HAL Ply Studio



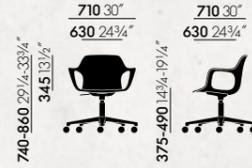
The seat shell of HAL Ply Studio is made of birch plywood with a face veneer in light oak or dark oak. The seat height of the swivel-mounted base in basic dark on castors can be adjusted from 38 to 49.5 cm.

HAL RE Studio



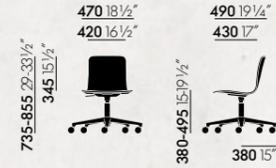
- **Seat shell:** dyed-through, recycled polypropylene.
- **Base:** five-star base in die-cast aluminium powder-coated in basic dark. Swivel mechanism with shock-absorbing seat suspension, height-adjustable.

HAL RE Armchair Studio



- **Seat shell:** dyed-through recycled polypropylene, with optional seat cushion (screwed to the seat shell).
- **Base:** five-star base in die-cast aluminium powder-coated in basic dark. Swivel mechanism with shock-absorbing seat suspension, height-adjustable.

HAL Ply Studio



- **Seat shell:** plywood (USA).
- **Base:** five-star base in die-cast aluminium powder-coated in basic dark. Swivel mechanism with shock-absorbing seat suspension, height-adjustable.



HAL Barstools

HAL RE
Stool Medium



HAL Ply
Stool Medium



HAL RE
Stool High



HAL Ply
Stool High



HAL Ply
Barstool



HAL RE
Barstool



HAL RE Stool High & Medium



HAL RE Stools are available in two heights: the counter version HAL RE Stool medium and the barstool version HAL RE Stool High. The seat shells are made of recycled plastic or, in the case of HAL Ply, in plywood with a choice of two oak veneers. The base with integrated footrest has a chrome-plated finish.



The tall stools have a seat height of 76 cm for table heights of approx. 110 cm and are available with seat shells made of recycled plastic or wood with light or dark oak veneer.



The medium stools with a seat height of 66 cm are suitable for counter-type workstations or kitchen counters measuring approx. 90 cm in height.



The plastic shells of HAL RE Stools can be fitted with a fixed seat cushion, while loose Soft Seats cushions in numerous fabrics and colours are available for use on all barstools.



The HAL Barstool is available with a shell made of recycled plastic or wood. The shells allow for 360° rotation and the seat can be adjusted from 66.5 to 76 cm in height. This makes the HAL RE Barstool and the HAL Ply Barstool suitable for bar tables and counters that are 90 to 110 cm tall.



The HAL RE Barstool is optionally available with a fixed seat cushion or – like the HAL Ply Barstool – with a loose Soft Seats cushion in a choice of fabrics and colours.

HAL Ply Barstool



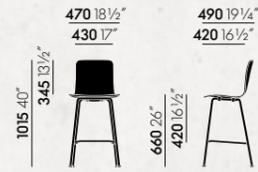
The swivel-mounted HAL Ply Barstool offers height adjustment from 66.5 to 76 cm thanks to its gas spring mechanism, and the shock-absorbing seat suspension provides additional comfort. The seat shell is made of high-quality wood veneer, while the column sleeve, footrest and base plate with a brushed stainless steel cover are manufactured from steel.

HAL RE Stool Medium



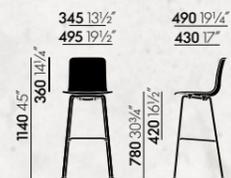
- **Seat shell:** dyed-through, recycled polypropylene, with optional seat cushion (screwed to the seat shell).
- **Base:** chrome-plated tubular steel, non-stackable.

HAL Ply Stool Medium



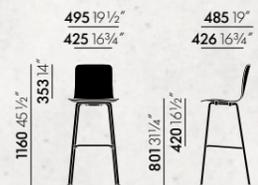
- **Seat shell:** plywood (USA).
- **Base:** chrome-plated tubular steel, non-stackable.

HAL RE Stool High



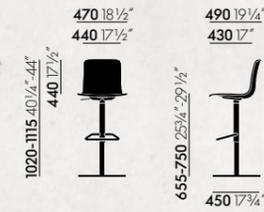
- **Seat shell:** dyed-through, recycled polypropylene, with optional seat cushion (screwed to the seat shell).
- **Base:** chrome-plated tubular steel with anti-skid footrest, non-stacking.

HAL Ply Stool High



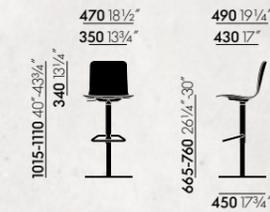
- **Seat shell:** plywood (USA).
- **Base:** chrome-plated tubular steel with anti-skid footrest, non-stacking.

HAL RE Barstool



- **Seat shell:** dyed-through recycled polypropylene, swivel mechanism, with optional seat cushion (screwed to the seat shell).
- **Base:** height-adjustable tubular steel pedestal, gas spring powder-coated in basic dark, column sleeve and footrest in chrome-plated tubular steel with anti-skid surface. Seat shell and base connection in die-cast aluminium, powder-coated in dim grey. Steel base plate with brushed stainless steel cover (matt); felt bottom.

HAL Ply Barstool

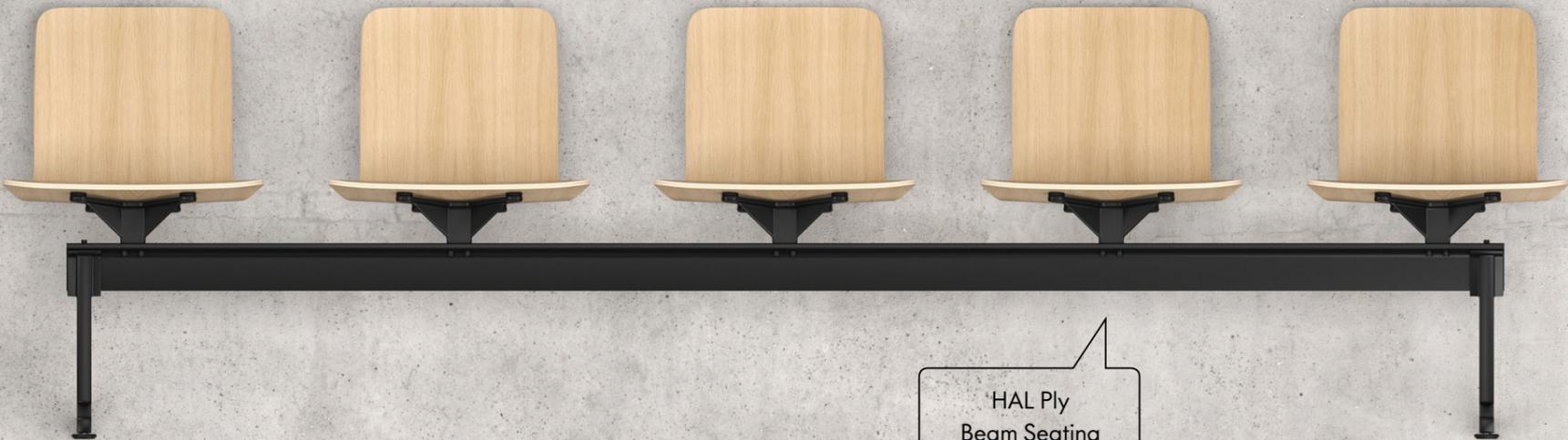


- **Seat shell:** plywood; swivel mount (USA).
- **Base:** height-adjustable tubular steel pedestal, gas spring powder-coated in basic dark, column sleeve and footrest in chrome-plated tubular steel with anti-skid surface. Connecting element between shell and base in die-cast aluminium, powder-coated in dim grey. Steel base plate with brushed stainless steel cover (matt); felt bottom.

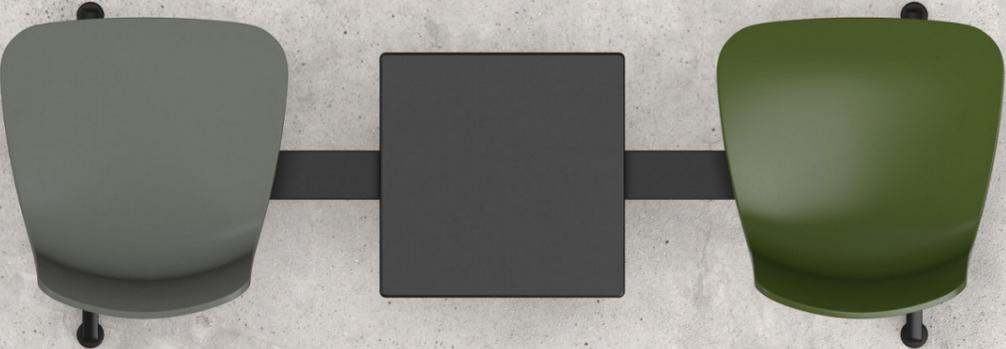


HAL Beam Seating

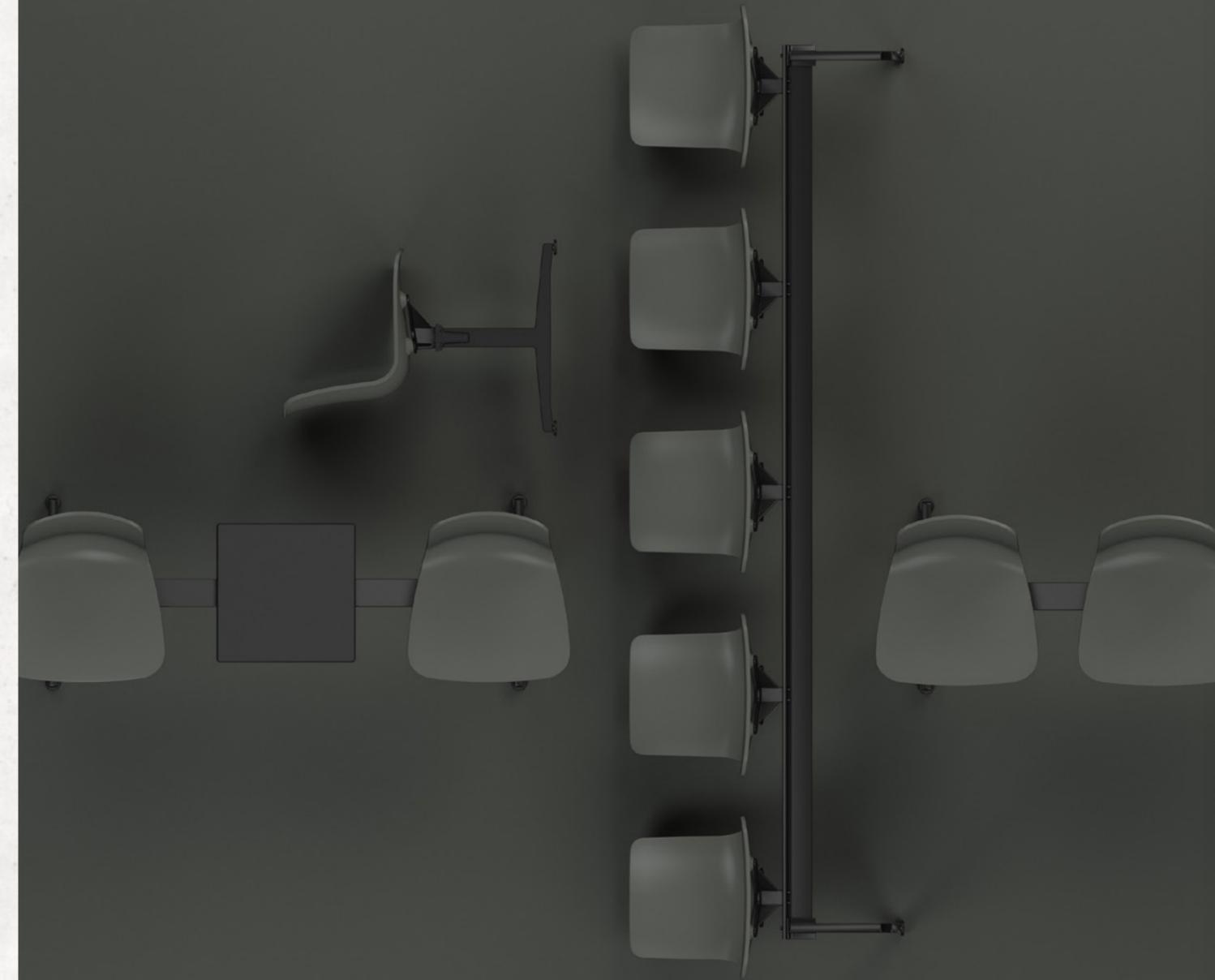
HAL RE
Beam Seating



HAL Ply
Beam Seating



HAL RE Beam Seating



HAL Beam Seating is a robust solution for all types of waiting areas – from airports, train stations, foyers or lobbies to waiting rooms in a medical practice. Thanks to the understated design of the easy-care seat shells moulded from recycled plastic, HAL RE Beam Seating is compatible with many different styles of interior.



HAL Beam Seating can be interspersed with table units. In addition to the RE shell, HAL Ply Beam Seating offers a further choice of wooden shells in natural or dark oak.



The seat shell and tables are easy to maintain, and the absence of individual chair legs facilitates cleaning.



Optional fixed or loose seat cushions are available for added comfort.

HAL Beam Seating



- **Seat shell:** dyed-through recycled polypropylene or plywood.
- **Table unit:** black solid core material (560 x 430 mm).
- **Base:** two-legged beam support in different lengths accommodates 2 to 5 chair shells or table units. T-beam with powder-coated finish, aluminium legs. Equipped with plastic glides for carpet or non-slip glides for hard floors.



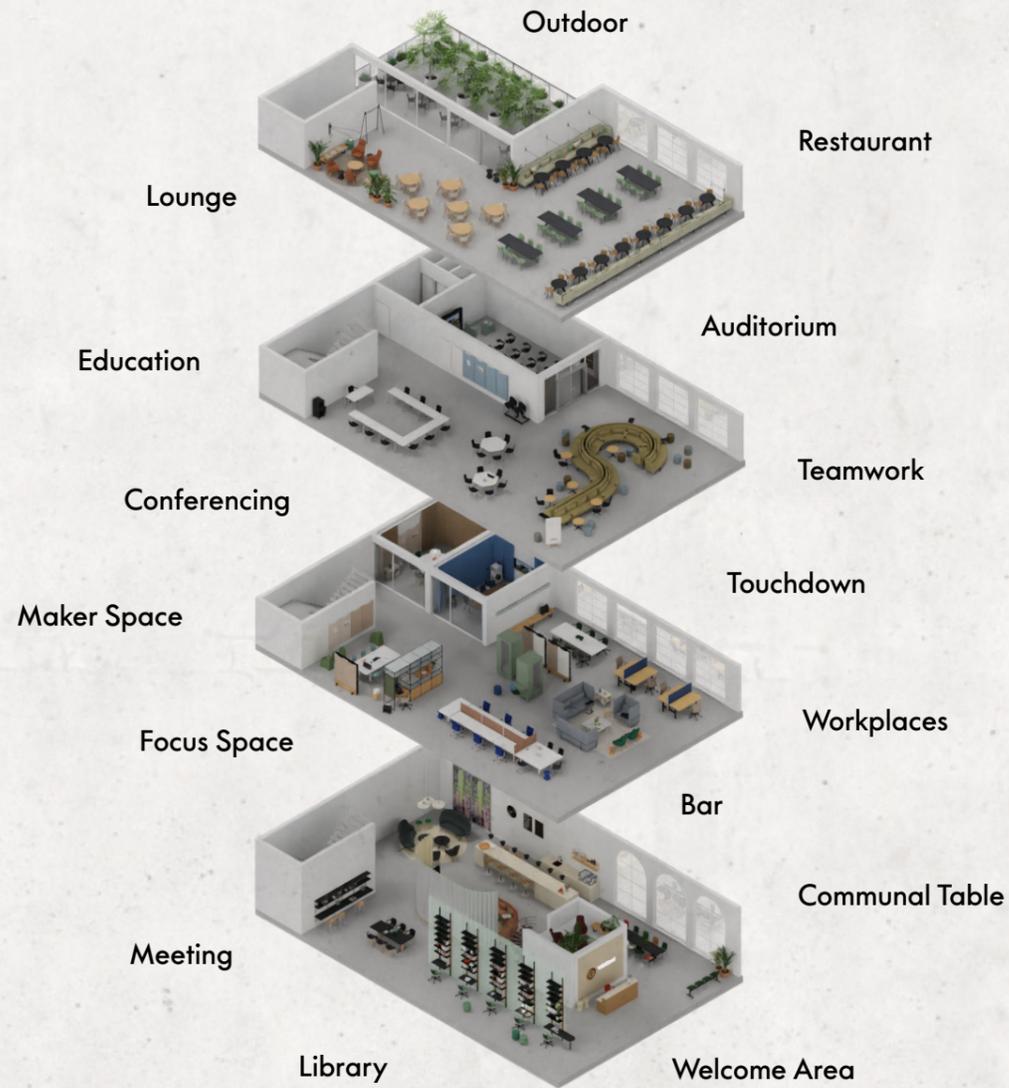
HAL Lounge Chair

The compact HAL Lounge Chair (2021) is Jasper Morrison's reinterpretation of the soft, upholstered high-back chair on four legs.

[Learn more at vitra.com](https://www.vitra.com)



A campus for HAL



With its many combinations of seat shells and bases, the HAL family can be used in a diverse range of settings – besides dining room tables, for example, in classrooms and libraries, in conference and meeting rooms, in

auditoriums and coworking spaces, in home offices and at communal tables, in bars and restaurants as well as in lounges and a wide variety of waiting areas.

Welcome area/library/communal zone

Reception, touchdown, lounge, communal table, coffee bar
Casual interaction/informal shared space/communal space



Lounge



Bar



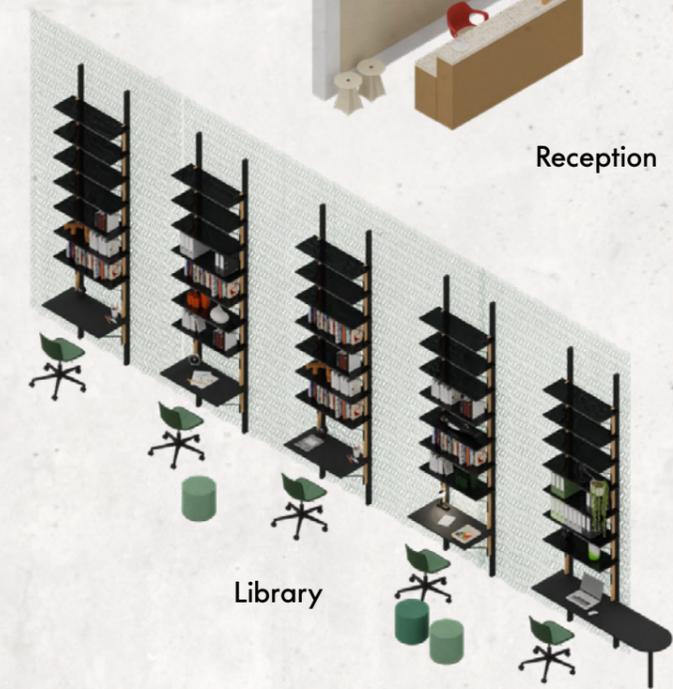
Reception



Fokus Space



Meeting



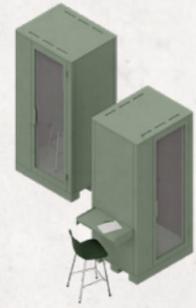
Library



[Download planning examples here](#)

Office & Meeting

Classic office environment with Focus, Meet & Retreat zones



Fokus Space



Conferencing



Think Tank



Workplaces



Touchdown



Maker Space

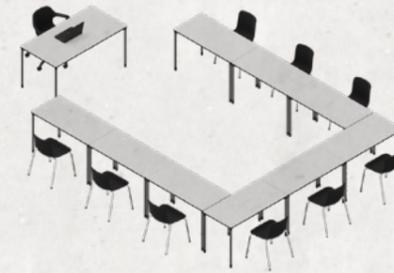
[Download planning examples here](#)

Education/auditorium/workshop

Training workshop, auditorium, flexible use of chairs and tables, stackable, stacking trolley

Soft Work configuration:

Informal conversation/teamwork



Education



Auditorium



Workshop / Teamwork

[Download planning examples here](#)

Restaurant/lounge/outdoor



Colours and materials

 31 warm grey RE	 14 ivy RE	 86 cardboard RE	 10 natural oak, with protective varnish
 85 cotton white RE	 35 basalt RE	 29 brick RE	 04 dark oak, with protective varnish
 23 ice grey RE	 12 deep black RE		

Seat shell HAL RE

Seat shell HAL Ply



Lounge



Outdoor

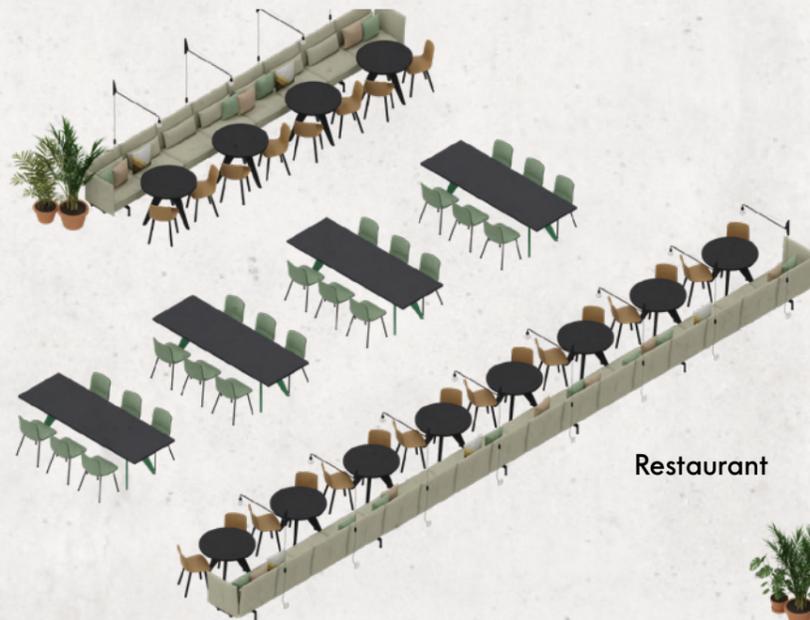
 49 ivory powder-coated (textured)	 01 chrome	 10 natural oak, with protective varnish	 04 white
 30 basic dark powder-coated (textured)	 04 dark stained solid oak, with protective varnish	 30 basic dark powder-coated (smooth)	 12 deep black

Base

Base HAL Wood, HAL Ply Wood, HAL Soft Wood

Five-star base

Colours (Glides)

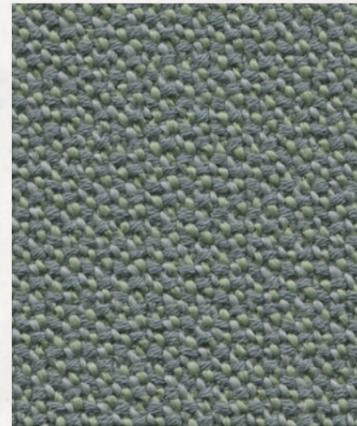


Restaurant



[Download planning examples here](#)

Credo Home/Office, F120



Credo is a durable woollen fabric made of premium worsted yarn with a pleasant feel. The two- and three-tone colours give this fabric a characteristic structure and vibrant appearance. Credo allows for an effective exchange of heat to ensure comfortable thermal conditions for the sitter. The fabric can also be used in office environments.

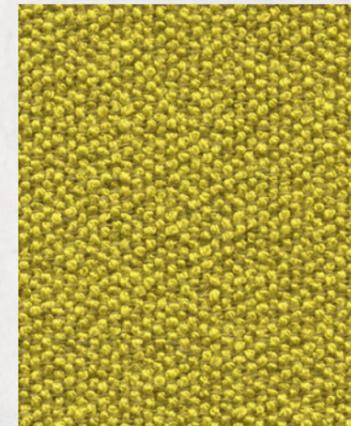
Credo is available in 22 colours.

Material	5% polyamide, 95% new wool
Weight	640 g/m ² (18.9 oz/y ²)
Width	145 cm +/- 2 cm (57'')
Abrasion resistance	100,000 Martindale
Fastness to light	Type 6
Pilling	Grade 4-5
Fastness to rubbing	Grade 4-5 dry and wet

Credo (HAL Soft)



Dumet Home, F80



Dumet is a cotton blend in a plain weave with a lively appearance. The natural mixed tones create an elegant look with an Italian flair. Dumet is soft and cool to the touch.

Dumet is available in 20 colours.

Material	9% polyamide, 46% cotton, 8% linen, 22% wool, 15% rayon
Weight	485 g/m ² (14.3 oz/y ²)
Width	147 cm +/- 2 cm (57'')
Abrasion resistance	40,000 Martindale
Fastness to light	Type 5
Pilling	Grade 3-4
Fastness to rubbing	Grade 3-4 dry and wet

Dumet (HAL Soft)



Hopsak Home/Office, F60



Hopsak is an expressive, flat plain-weave fabric made of polyamide. The duotone colours offer a multitude of design possibilities in high-contrast, brightly hued or subtle combinations of warp and weft threads. Highly durable and robust, Hopsak can be used in private interiors as well as public areas.

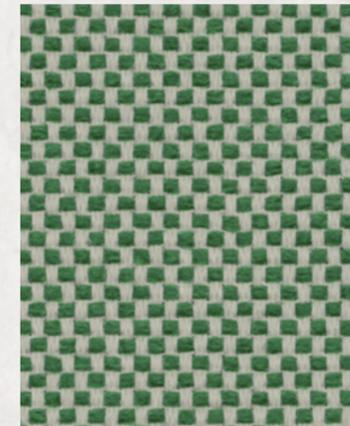
Hopsak is available in 35 colours.

Material	100% polyamide
Weight	550 g/m ² (16.2 oz/y ²)
Width	127 cm +/- 2 cm (50")
Abrasion resistance	200,000 Martindale
Fastness to light	Type 6
Pilling	Grade 4-5
Fastness to rubbing	Grade 4-5 dry and wet

Seat upholstery Hopsak



Laser RE Home/Office, F40



The environmentally friendly fabric Laser RE is made from recycled polyester. It has a distinctive woven appearance, which is particularly accentuated by contrasting duotones in a varied palette of 25 colours. Practical and easy to care for, as well as durable and highly abrasion-resistant, Laser RE is also well suited for office environments.

Laser RE is available in 25 colours.

Material	100% recycled polyester
Weight	520 g/m ²
Width	144 cm +/- 2 cm
Abrasion resistance	100,000 Martindale
Fastness to light	Type 6
Pilling	Grade 4-5
Fastness to rubbing	Grade 4-5 dry and wet

Laser RE



Plano Home/Office, F30



Plano is a robust plain weave with a flat, even texture. The wide palette of duotones with new, delicate washed-out shades includes many relatively neutral hues, a good number of which are coordinated with the Hopsak colour range. Thanks to its durability and longevity, Plano is also an ideal choice for office furnishings.

Plano is available in 39 colours.

Material	100% polyester
Weight	265 g/m ² (7.8 oz/y ²)
Width	142 cm +/- 2 cm (56")
Abrasion resistance	80,000 Martindale
Fastness to light	Type 6
Pilling	Grade 4-5
Fastness to rubbing	Grade 4-5 dry and wet

Seat cover, Plano (for orders of 6 or more)



Plano Home/Office, F30



Plano is a robust plain weave with a flat, even texture. The wide palette of duotones with new, delicate washed-out shades includes many relatively neutral hues, a good number of which are coordinated with the Hopsak colour range. Thanks to its durability and longevity, Plano is also an ideal choice for office furnishings.

Plano is available in 39 colours.

Material	100% polyester
Gewicht	265 g/m ² (7.8 oz/y ²)
Breite	142 cm +/- 2 cm (56")
Scheuerfestigkeit	80,000 Martindale
Lichtechtheit	Type 6
Pilling	Grade 4-5
Reibechtheit	Grade 4-5 dry and wet

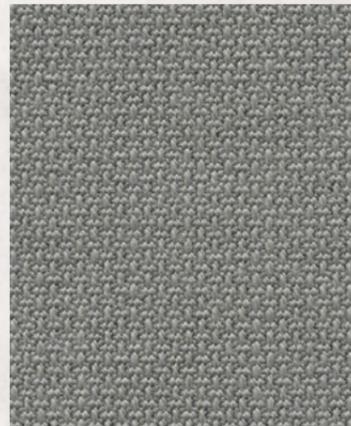
Seat cover, Plano



Plano (HAL Soft)



Volo Home/Office, F60



Volo is a finely structured wool blend with a refined weave that gives it an elegant appearance. This expressive textile shows strong solid colours to full advantage while simultaneously offering pleasant tactile qualities. With its soft look and appealing texture, Volo is a perfect fit for home interiors, but it is also well suited for use in the contract sector.

Volo is available in 17 colours.

Material	15% polyamide, 85% new wool
Weight	435 g/m ² (12.8 oz/y ²)
Width	145 cm +/- 3 cm (57")
Abrasion resistance	100,000 Martindale
Fastness to light	Type 6
Pilling	Grade 4-5
Fastness to rubbing	Grade 4-5 dry and wet

Volo



Vitra Colour & Material Library

→ If you would like to know more about Vitra's fabrics and materials, browse through our library.

A photograph of the Vitra Campus in Weil am Rhein, Germany. The scene is dominated by a large, mature tree with dense green foliage in the foreground, its branches framing the view. In the background, a modern, dark-colored building with large glass windows is visible. The ground is covered with a variety of plants, including purple flowers and tall grasses. A gravel path leads towards the building. The lighting suggests a bright, sunny day.

vitra.

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Visit us in Weil am Rhein, near Basel**

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