

The ideal
edgeband for
every require-
ment

RAUKANTEX EDGE BAND SOLUTIONS
High-quality edgebands for the furniture industry

'Our success is based on decades of experience in the edgband segment. Regardless of the requirements our customers have, we will definitely find the ideal edgband. As a trusted partner of the furniture industry, we keep proving this. Our experience in implementing decorative designs enable a wide range, from the most subtle colour tones to a natural wood or stone look. REHAU uses high-quality polymer materials and its years of expertise in materials to fulfil even the most stringent quality standards.'

Matthias Haasler,
Head of Product Management Surface





06 DESIGN VARIETY

Examples of versatile edgeband applications by REHAU



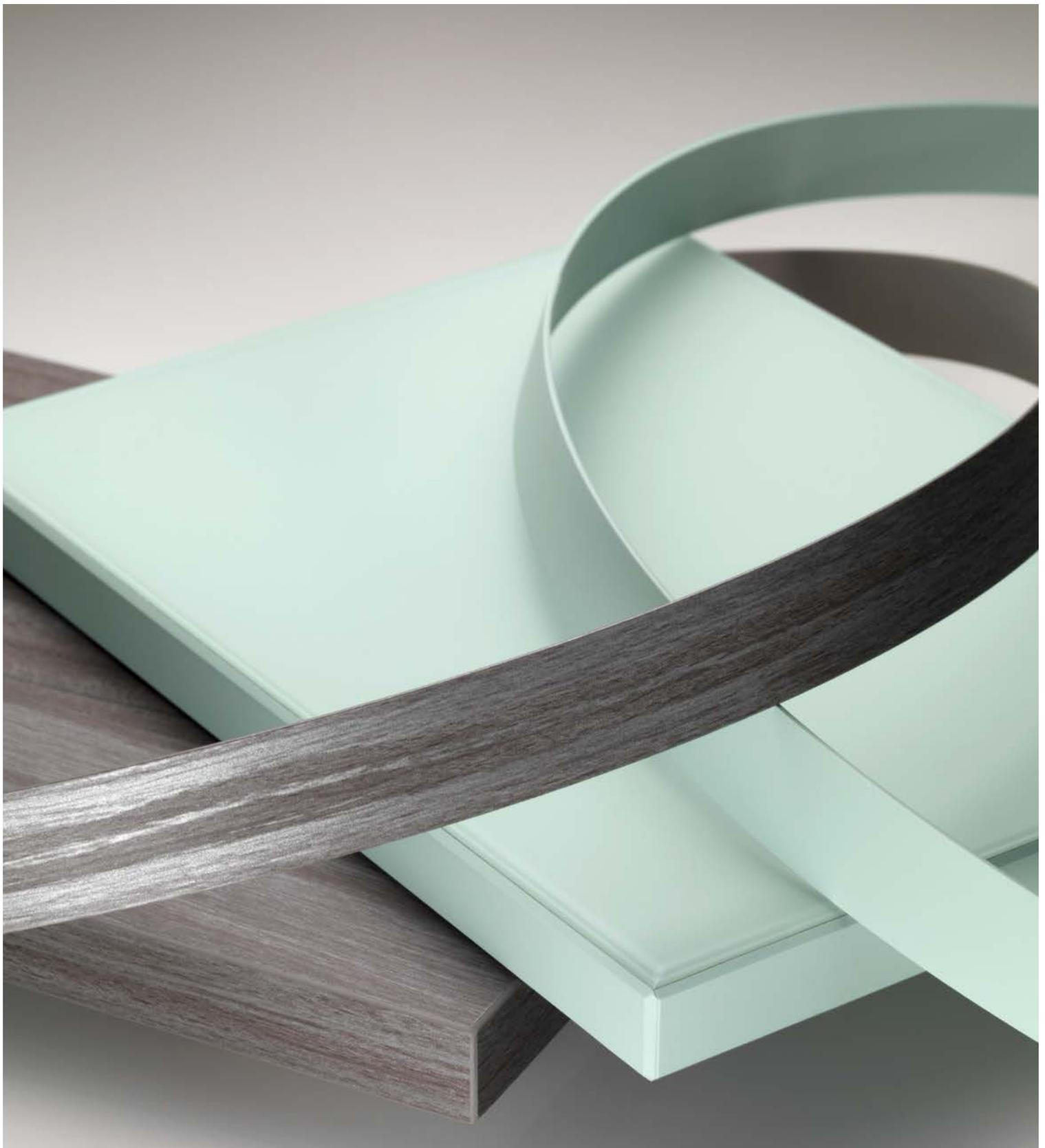
18 CREATING THE PERFECT EDGE BAND

Six elements resulting in the perfect edgeband for each component: materials, decorative designs, embossing, lacquers, processing and services



34 PRODUCT VARIANTS

RAUKANTEX product variants at a glance



REHAU has been acknowledged as a reliable partner to the furniture industry for more than 40 years. REHAU also assumes a pioneering role in the field of edgeband materials as a specialist in polymer processing. Working interactively with our customers, we devise innovative solutions and develop our products from the initial idea to series-production readiness. Compliance with quality standards and our customers' requirements are our focus during this.

EDGEBAND EXPERTISE

REHAU as innovative development partner

Growing demand for good design and appearance combined with high product quality play a major role in furniture manufacture. Regardless of your edgeband requirements, REHAU has the right solution for every requirement in terms of design, function and processing.

Four REHAU promises you can rely on:



100% matching edgeband decorative design for any surface

Edgebands for all application ranges



All gloss levels from excellent matt to mirror gloss

Virtually infinite variety of processing and decorative design diversity

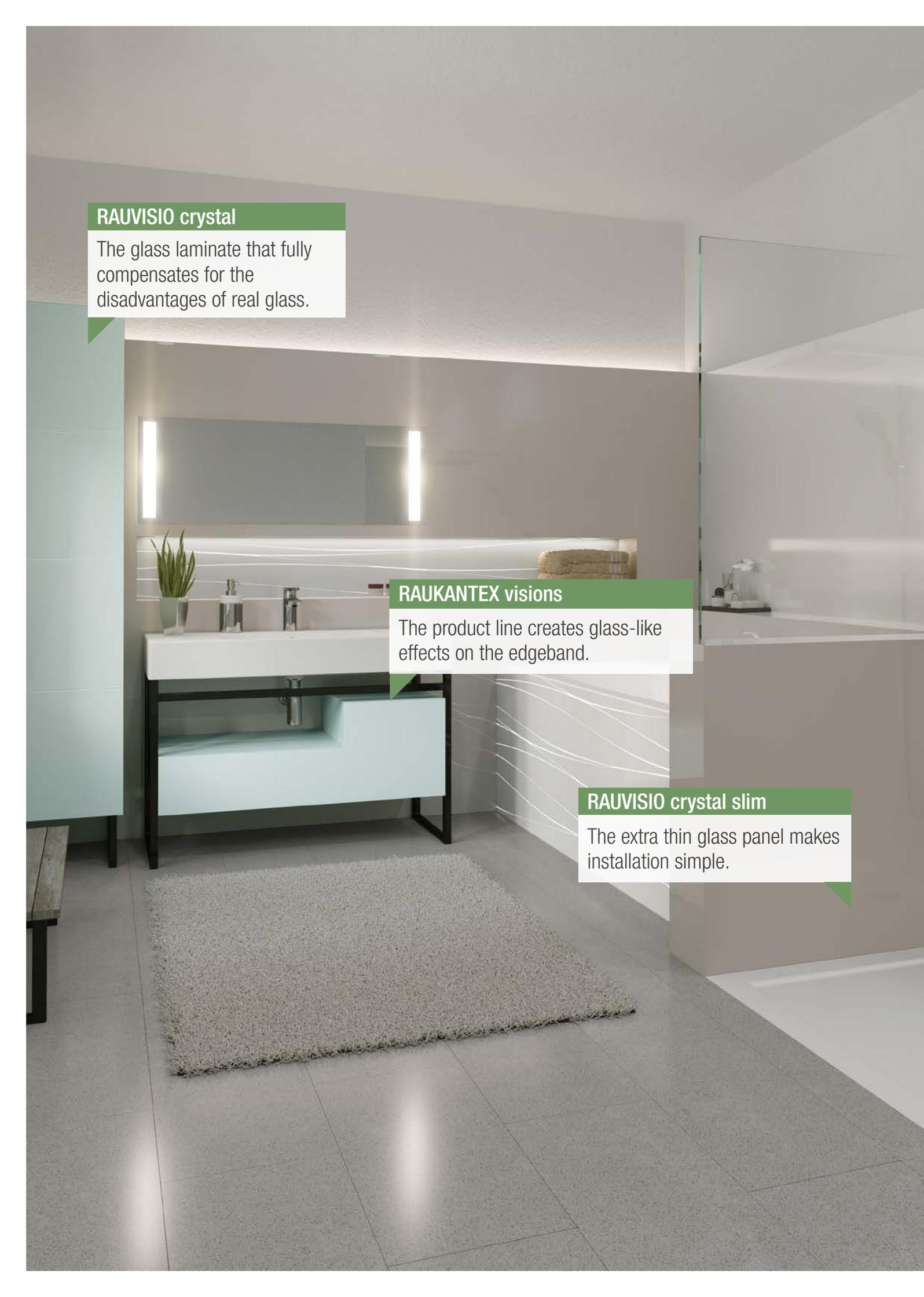


The highest quality standards

At all REHAU locations, we work to quality principles and regulations applicable worldwide. In an extensive system of internal inspections and voluntary tests by neutral institutes, REHAU is committed to the highest quality standards that often exceed statutory requirements. With the help of zero-fault schemes every employee is personally involved in the optimisation of the quality management.

High-performance partner

The combination of innovative power, expertise in processes, design and materials, decades of experience in the furniture industry, a comprehensive portfolio of products and a wide range of services make REHAU a high-performance system supplier and development partner.



RAUVISIO crystal

The glass laminate that fully compensates for the disadvantages of real glass.

RAUKANTEX visions

The product line creates glass-like effects on the edgeband.

RAUVISIO crystal slim

The extra thin glass panel makes installation simple.

GLASS EFFECT EDGE BANDS

Transparent elegance

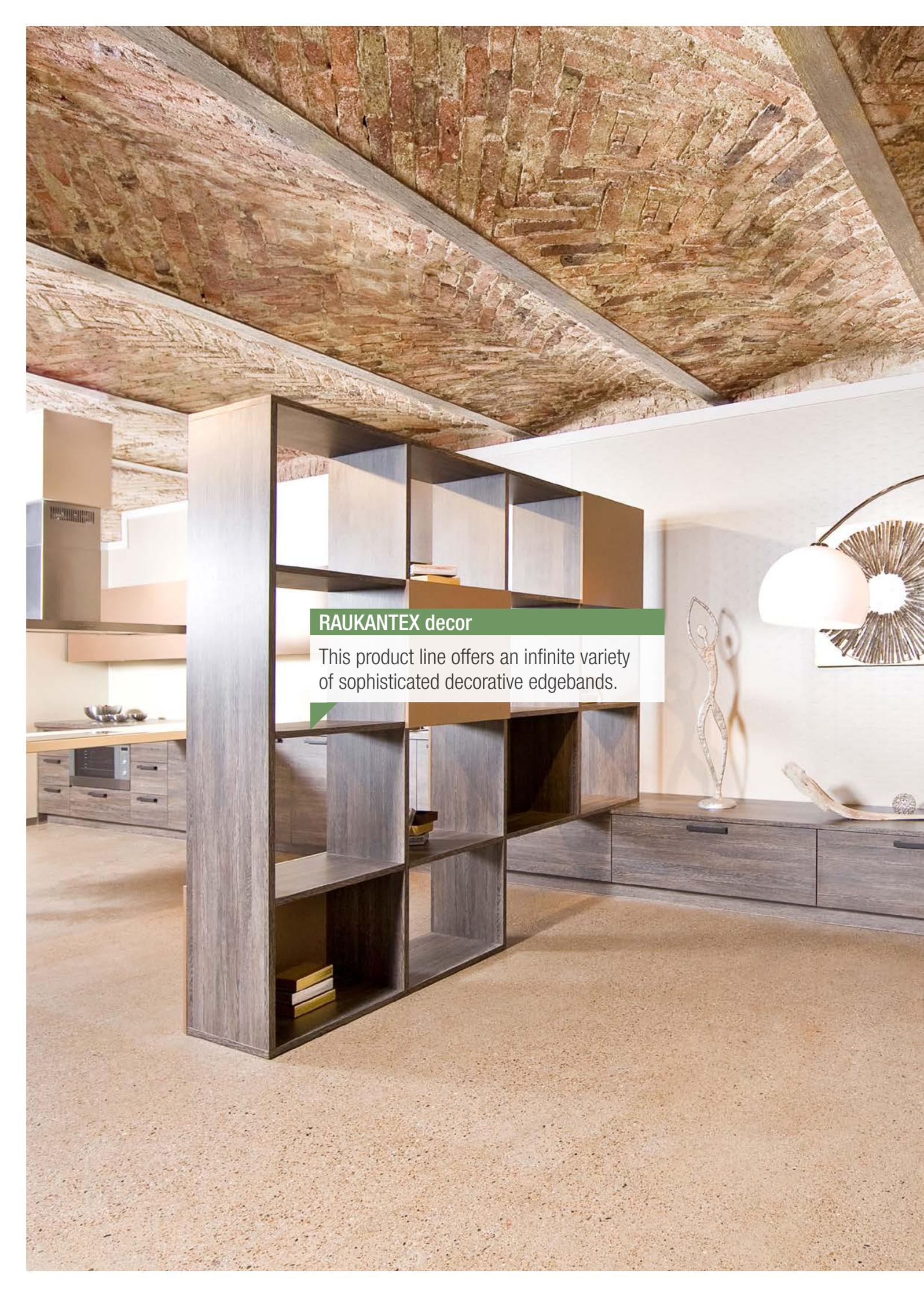


With RAUKANTEX visions and the polymer glass laminate RAUVISIO crystal, REHAU has come up with a way to combine the high-quality appearance of real glass with the versatile application and processing possibilities of polymer materials.



Glass, the material.

The material glass has been used since time immemorial as an important element in architecture and design. Transparent or translucent glass doors and surfaces are now a key part of modern kitchen designs.



RAUKANTEX decor

This product line offers an infinite variety of sophisticated decorative edgebands.

WOOD-LOOK EDGE BANDS

Distinctive wood-grain effect

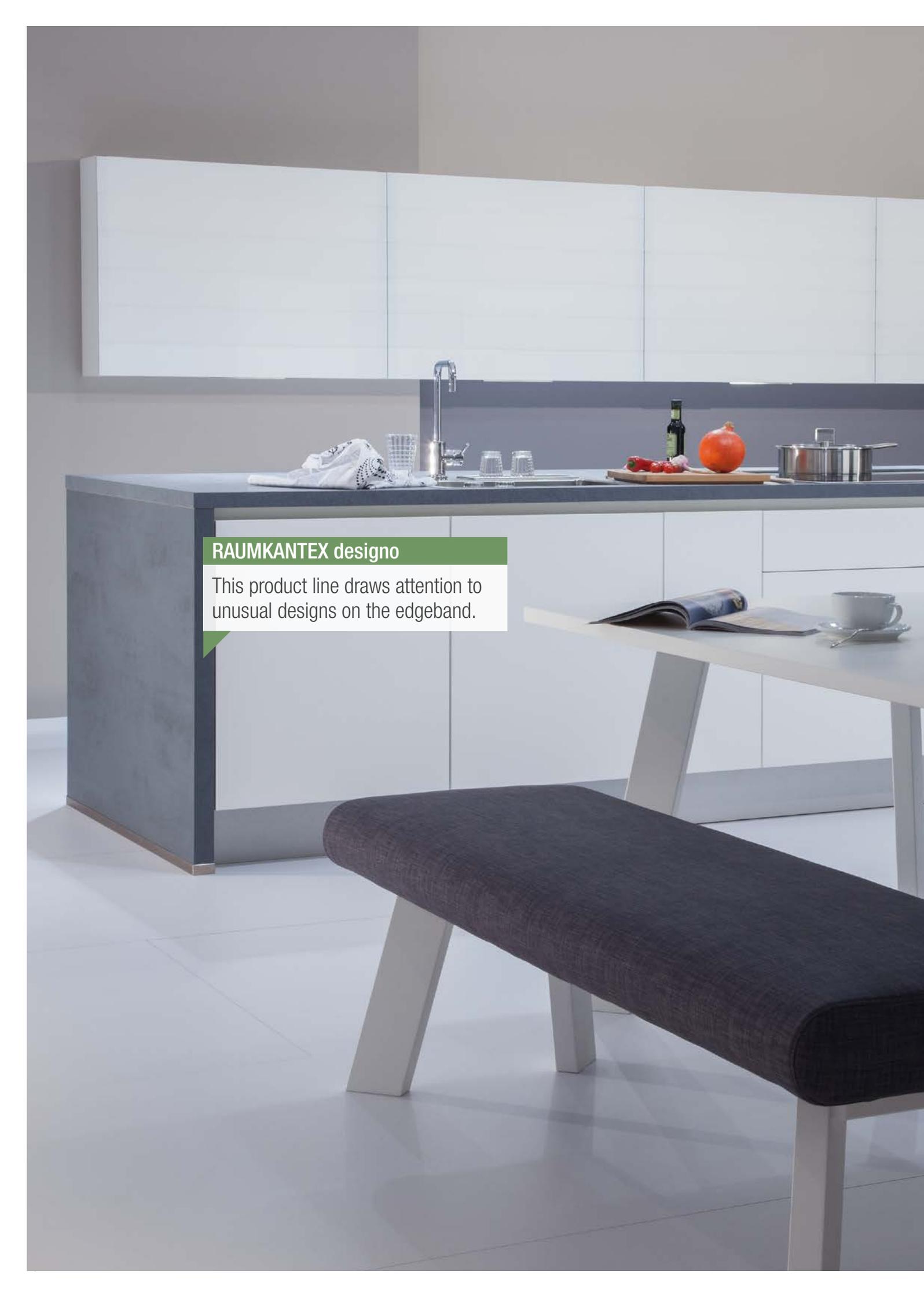


REHAU can provide perfect imitation wood edgebands, whether you are looking for understated wood decorative designs or distinctive wood-grain effects. These can also be implemented using digital printing. Upon request also available as digital print which allows wood-grain effects to look even more natural and unique with extended repeated pattern printing.



Wood, the material.

Wood is a symbol of naturalness, warmth and comfort, and is absolutely key in furniture design.



RAUMKANTE designo

This product line draws attention to unusual designs on the edgeband.

STONE-LOOK EDGE BANDS

Naturalness on a roll



Surface and edgeband decorative designs have been refined over the years in order to interpret various types of stone deceptively realistic. Using extended repeated printing patterns, fine graining and pigmentation can be depicted in a very natural manner. And with new processes for surface finishing, perfect imitations can also be produced in terms of the tactile characteristics of the surface.



Stone, the material

Natural materials have been highly popular in furniture design for some time. But there are alternatives to solid granite worktops.



RAUWORKS screen

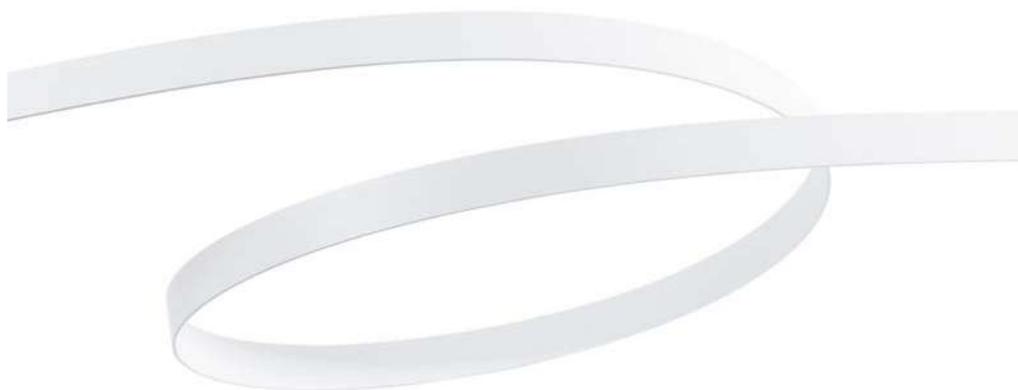
The desk screen system ensures acoustic well-being in the workplace.

RAUKANTEX color

The product line enables an infinite range of edgeband colours.

SOLID-COLOURED EDGE BANDS

Infinite range of colours



The RAUKANTEX color product range is available in virtually infinite range of colours. Each shade is matched customer-specifically. The edgeband is given the final finishing touches with material embossing or lacquer effects.



Solid-coloured

Colours have a significant effect on how we perceive our environment and also affect our mood. Due to this reason, colours and colour combinations have enormous potential in the furniture design.



This product line adds metallic highlights to furniture.
RAUKANTEX magic

EDGE BANDS IN A METALLIC DESIGN

High-quality highlights



Edgeband materials in the RAUKANTEX magic product line create high-quality highlights. The application area is virtually infinite. The premium edgeband is not only used in kitchens but also in living rooms and bedrooms or in offices.

Metal, the material

Cool aluminium, high-quality stainless steel, shiny chrome – the design world has an enduring fascination with metal as a material.





FUNCTIONAL EDGE BANDS

Solutions with added value

REHAU offers a wide range of edgeband material solutions, which stand out with maximum functionality: supporting edgebands for light-weight construction, sealing profiles with soft stops, edgebands with antimicrobial coating, edgebands that can be back-lit and much more.



Function

As a functional element, which also provides the design to the piece of furniture, the edgeband makes a significant contribution towards the integrated design. Comprehensive concepts uniting design and function for the customers' benefit are therefore required.

CREATING THE PERFECT EDGE BAND

Individual configuration with RAUKANTEX



Materials

- Decades of material and processing expertise
- For every requirement:
PP, PMMA, ABS, PET, PVC

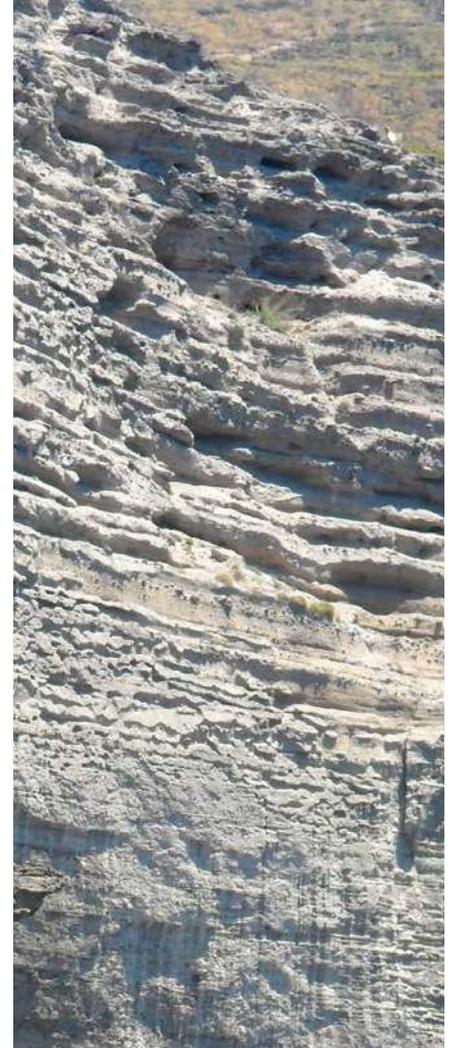
[More information from p. 20](#)



Decorative designs

- More than 20,000 active edgeband designs in wood, stone, glass and metal finish
- Gravure printing and digital printing

[More information from p. 22](#)



Embossing

- More than 100 material lacquer embossing textures

[More information from p. 24](#)





Lacquers

- Protective coat of lacquer across the entire surface
- Partial effect lacquers
- Gloss levels from <6 to >85 gloss level points

[More information from p. 26](#)



Processing

- 3 types of edging
- Maximum flexibility in processing

[More information from p. 28](#)



Services

- Design management
- Technical support
- Standard stock range

[More information from p. 32](#)





REHAU has an enormous portfolio of materials, with several thousand specially tailored formulations in use in the construction, automotive, aviation and furniture industries. RAUKANTEX edgeband materials are available in the high-quality polymer materials PP, PMMA, ABS, PET and PVC.



MATERIALS

Quality right from the start



PP

Polypropylene

Environmentally sustainable

ABS

Acrylonitrile-butadiene-styrene

Stock-resistant and recyclable

PVC

Polyvinyl chloride

Easy to process

PMMA

Polymethyl methacrylate

Transparent depth effect like real glass

PET

Polyethylene terephthalate

Hard and highly transparent

Recycling

Our edgebands can of course be recycled. To find out more about our return concepts, please contact your contact person at the REHAU Sales Office.



Diversity in decorative design is of utmost importance at REHAU. Our portfolio includes more than 10,000 active edgeband designs for surfaces used in the furniture world. Around 1,500 new designs are added every year. Firstly, the decorative designs and colours are perfectly matched to the collections of all leading board manufacturers. Secondly, REHAU offers ideal options for developing completely individual edgeband designs. With our many years of know-how, REHAU can find a suitable manufacturing process for every individual requirement.



DECORATIVE DESIGNS

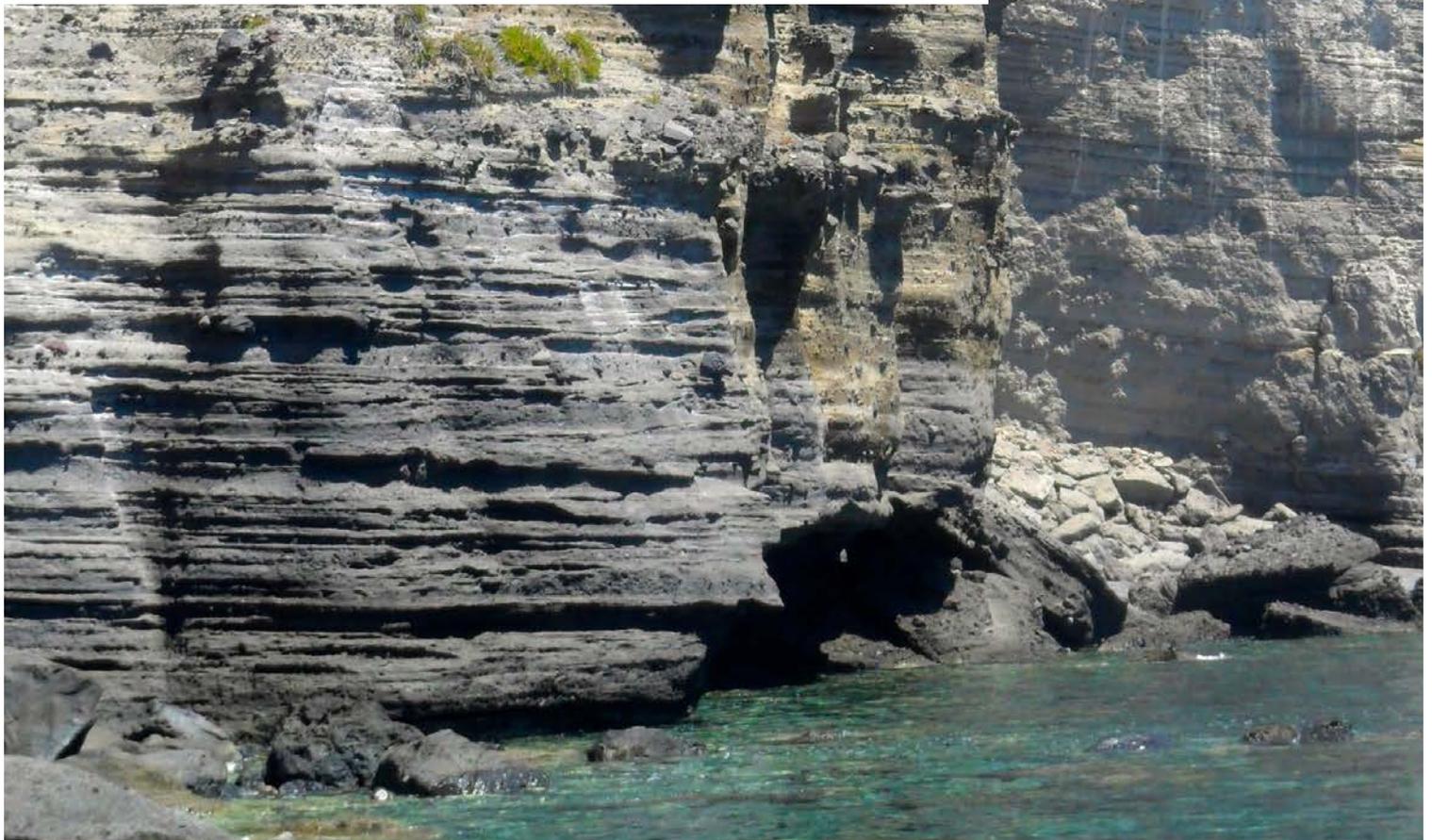
Expressive designs



A selection of various colours and decorative designs

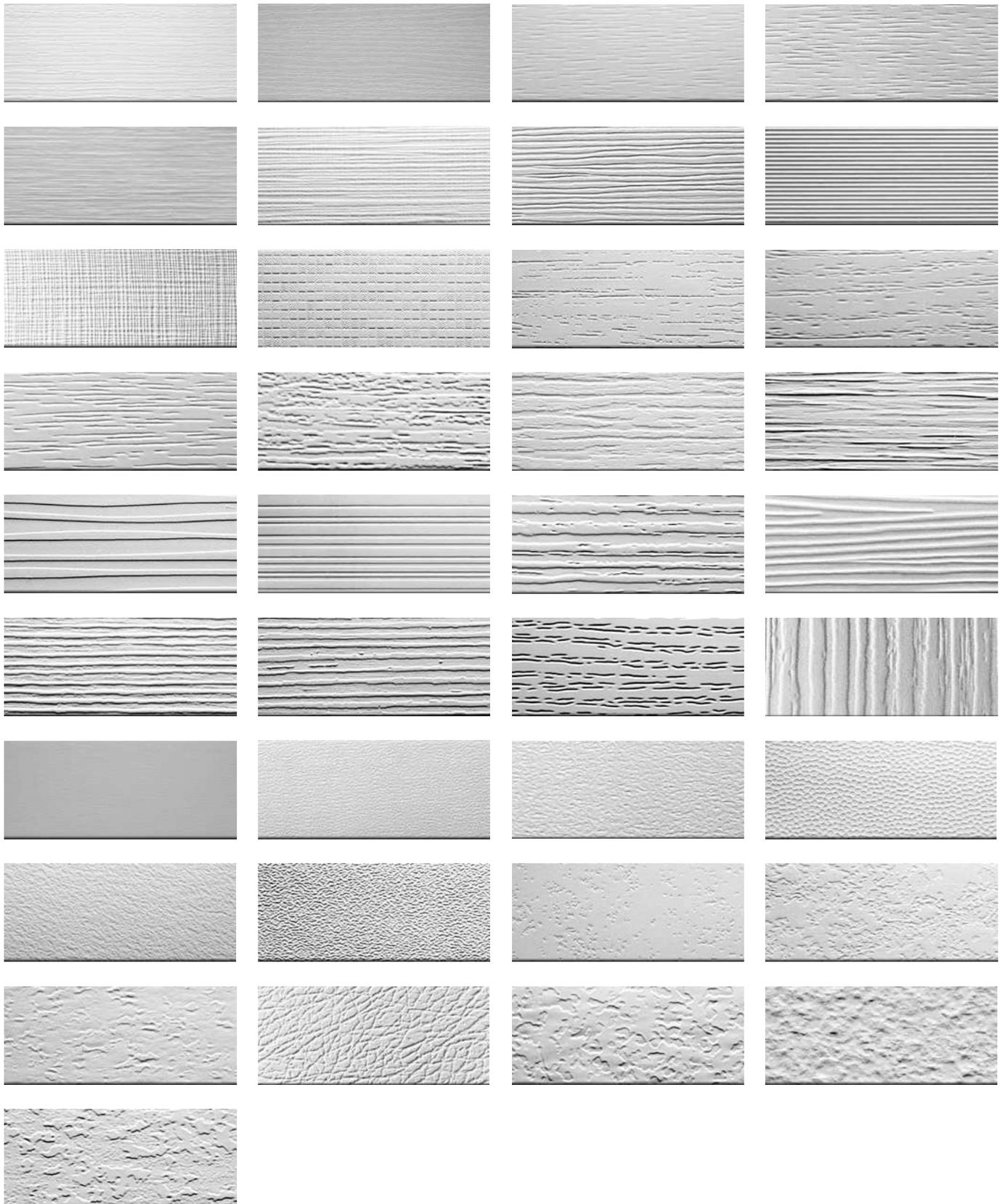


As well as numerous designs and decorative designs, REHAU also offers a wide spectrum of surface finishes. Surface and edgeband decorative designs have been systematically further developed over recent years resulting in the most varied collection of deceptively realistic wood and stone designs and allowing you to incorporate texture, grain definition, notches and imperfections. Fibre orientation, grooves, branches, waves – customers can design surfaces completely individually at REHAU.



EMBOSSING

Natural tactile effects



A selection of various embosses



An additional highlight are the various gloss levels with which the surfaces can be finished. Any customer requirement can be catered for, from excellent matt and high gloss to mirror gloss. The possibility to combine various lacquer effects, gloss levels or surface embosses ensure even more design freedom.



LACQUERS

Diverse gloss levels

Lacquers add yet another special touch.

The various gloss levels available have a highlighting effect, lending rooms a very particular air. See for yourself:

Gloss



Matt



By courtesy Schröder Küchen

Lacquer types

Excellent matt lacquer <6

Super matt lacquer <6

Matt lacquer 8

Satin lacquer matt 20

Satin lacquer 25

High-gloss lacquer 75

Super high-gloss lacquer >85

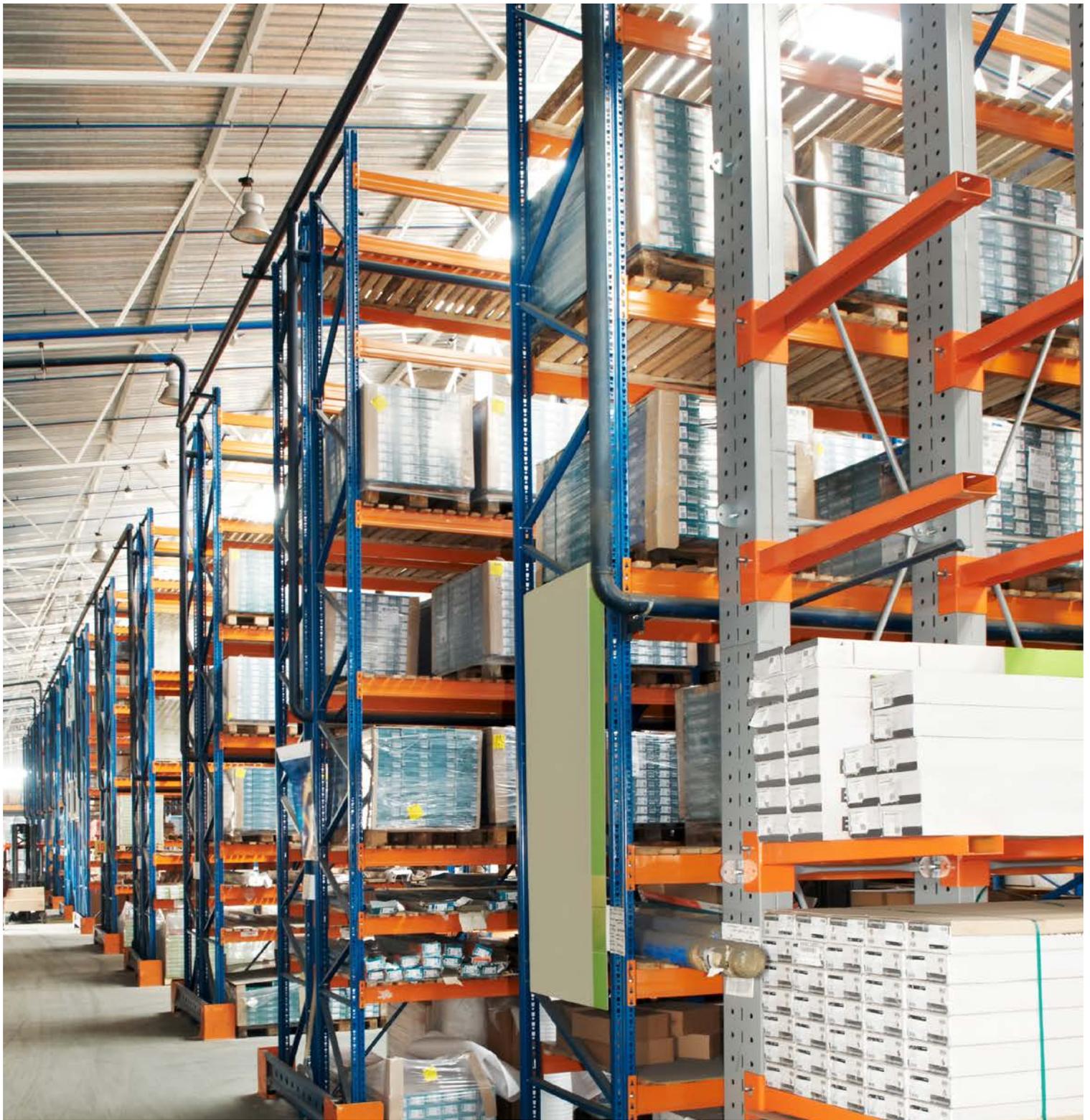
Mirror gloss >85

A selection of various finishes and gloss levels

REHAU achieves lacquer milestones

As a system manufacturer of polymer-based solutions, REHAU is an internationally leading, creative development partner for the automotive industry. REHAU intelligence is currently integrated into a third of all vehicles produced within Europe, and in nearly all for premium class cars. This success story began back in the 1980s: the first time, REHAU provided serial-produced, thermoplastic fenders finished in the body colour for the Audi A2, representing a key milestone in lacquering.



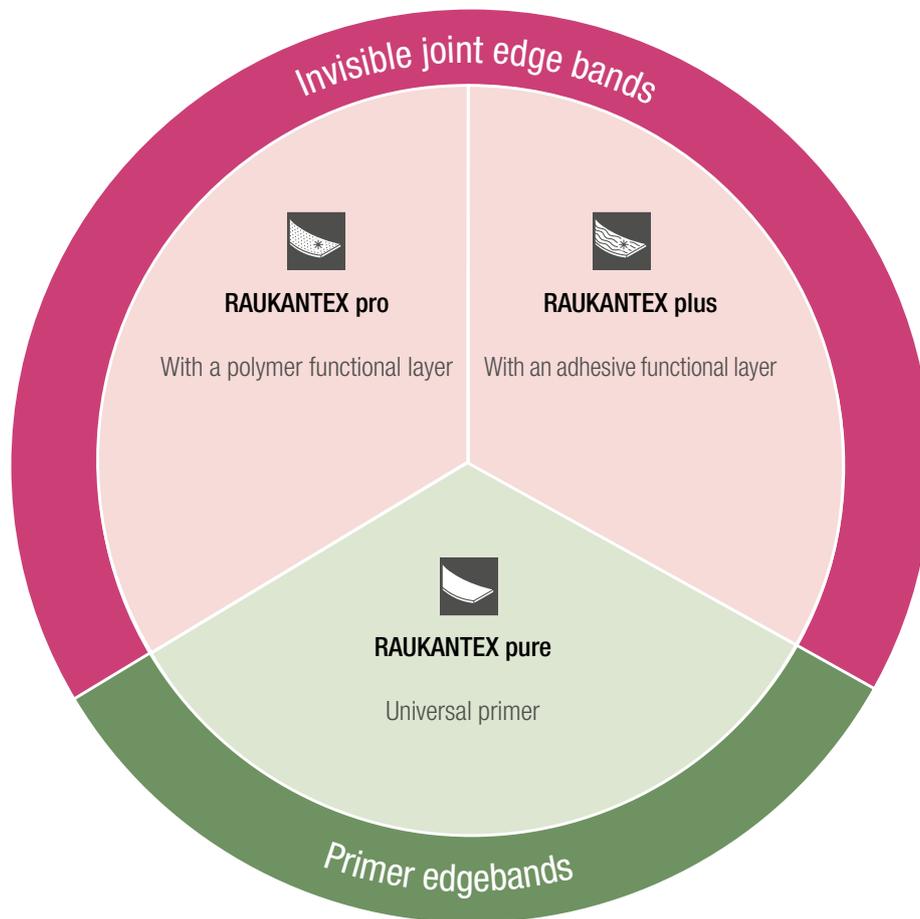


REHAU has the right edgeband for any customer requirement. Three types of edgeband cover all the processing technologies used in the market, satisfying every quality stipulation: RAUKANTEX pure, RAUKANTEX plus, RAUKANTEX pro.



PROCESSING

Prepared for every requirement



RAUKANTEX pro

RAUKANTEX pro has a 100% polymer functional layer for a perfect, lasting invisible joint – without adhesive, without compromise.



RAUKANTEX plus

RAUKANTEX plus features pigmented, precoated adhesive in standard colours, helping to achieve an invisible joint.



RAUKANTEX pure

RAUKANTEX pure, REHAU's tried-and-tested primer edgeband, is available as usual in all dimensions and decorative designs.

All REHAU edgebands are listed below at a glance:

			
Description	RAUKANTEX pro	RAUKANTEX plus	RAUKANTEX pure
Invisible joint	●●● Colour of functional layer is perfectly matched	●● Adhesive applied to the rear side in standard colours	● Can only be implemented with pigmented adhesive
Permanent invisible joint	●●●	●	● EVA / PUR
Edgeband adhesion	●●●	●●	● EVA ●●● PUR
UV stability	●●●	●●	● EVA / PUR
Heat accumulation as per AMK (edging)	●●●	●●	● EVA ●●● PUR
Processing method	One edgeband for all technologies  Laser  Hot air  NIR	One edgeband for all technologies  Laser  Hot air  NIR	Adhesive applied by machine 
Materials	PMMA, PP, ABS, PET	PMMA, ABS	PMMA, PP, ABS, PET, PVC

●●● Very good
 ●● Good
 ● Limited

RAUKANTEX plus is only available in the standard stock range.

Invisible joints by means of three technologies:



Laser technology

In laser processing, a laser activates the edgeband's functional layer.



Near-infra-red technology

Thermal energy can be transmitted rapidly and with pin-point accuracy using NIR technology.



Hot air technology

With this method, compressed hot air melts the functional layer.

RAUKANTEX pro – invisible joints without compromises

The RAUKANTEX laser edge success story continues on: under the name RAUKANTEX pro since 2015. Only patented RAUKANTEX pro edgeband with its 100% adhesive-free functional layer allows for a permanently functional invisible joint with a zero-gap look on the finished component.

Using RAUKANTEX pro lifts the customer's manufacturing processes and the quality and design of the finished component to a new level:

Quality: The seamless bond creates a **permanent, functional invisible joint**. Edgeband and board are melted together to boost the finished components' resistance to thermal distortion and moisture resistance.

Design: The functional layer is matched to exactly the same colour as the decorative layer, creating a **totally seamlessly integrated look**, giving it the appearance of a solid material. Because the functional layer is particularly hard, the joint does not rub off under daily wear and tear. Dirt in the joints is a thing of the past.

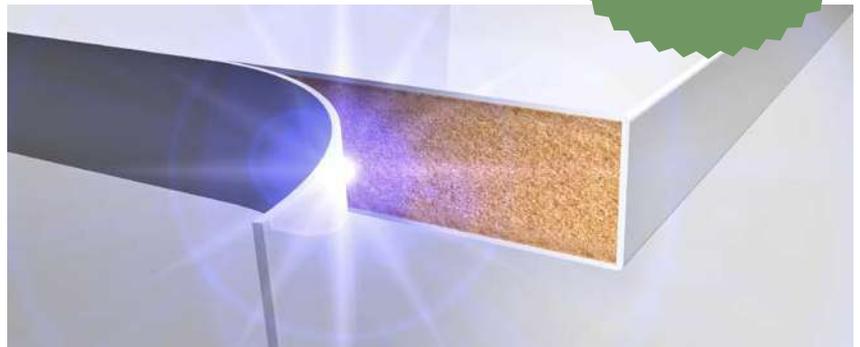
Process: Various technologies can be used to process RAUKANTEX pro. The **manufacturing process is reliable and stable with high repeat accuracy**. In direct comparison with conventional edging, less maintenance is required as there is no contamination of aggregates.

Continual changes in furniture manufacturing, such as the use of new materials, processing technologies, qualities of surface materials and substrates, mean that RAUKANTEX pro is regularly presented with more stringent requirements in terms of processing quality. REHAU is reacting to this development by continually optimising the formulations used in order to be able also cover special applications.



We will work with you to find the right solution for your individual needs - guaranteed. Just get in touch with your REHAU contact.

No adhesive.
No joints.
No problem.



High gloss on front panels – with no frame effect

Practical tip

Radius milling is a particular challenge, especially when it comes to high-gloss fronts. To solve this problem, REHAU has collaborated with a pilot customer and renowned network partners in the mechanical engineering and tool making industries to develop a double scraper and an optimised polishing unit. The two scraper blades are made of special material components and are

designed with geometries ideally matched to each other.

The finish blade is positioned in such a way that it continually scrapes off a uniform, ultra-thin swarf without cracking.

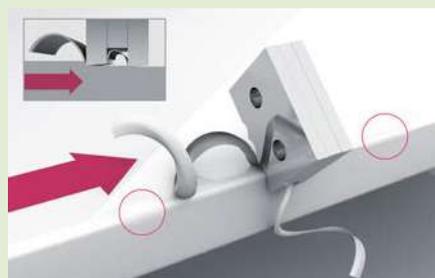
The processed edge is then polished to a high gloss with an upper and a lower polishing unit. The selected polishing medium is a hard wax that is applied directly to the

polishing disc using a special feed. The polymer functional layer is so hard and thin that the polishing discs do not rub it off and no wax residue is left behind.

PMMA and ABS materials are especially suitable for this polishing process. To find out about inline and offline polishing options, contact our technical team.



Step 1: RAUKANTEX pro is welded



Step 2: Double scraper for perfect geometries



Step 3: Finish aggregate with polishing unit



As a key partner to the furniture industry, REHAU supports its customers with comprehensive services as a matter of course. This doesn't just include every kind of service to do with the product creation process – we already start one stage earlier and go several steps further.



SERVICES

Focus on the customer

Design management

Continual design management is one of REHAU's strengths. We work closely with leading decor printers, constantly monitor the markets and screen design and technology developments to identify trends as they arise and implement them in innovative product solutions. Above all, REHAU makes good use of its own expertise in design and development, as reflected in our in-house research and design centres.



Technical support

We assist our customers from the initial idea and development through sampling and optimisation all the way to the final application. Technical experts are available to advise customers on application-engineering questions. We pass on our know-how to our customers, offering a unique service: professional training sessions, seminars and workshops.

Edgeband search and sample service

Looking for an edgeband to match your board? You can find the perfect edgeband/board combination in just a few clicks. Samples can easily be ordered from our free sample service.



www.rehau.com/collection

Standard stock range

Take advantage of our diversity: we have more than 1,200 colours and decorative designs in small quantities ex stock. This range is consistently further developed through innovation and adjusted to suit current market trends. We always keep up with the latest trends with more than 300 new variants every year. A new online service for added convenience: the RAUKANTEX online shop, where customers can order any product from the REHAU edgeband range (in collaboration with a dealer). The order is delivered within 24 hours in any quantity and any length over 1 m (for RAUKANTEX pro over one roll).





With edgebands from REHAU, you can implement your own ideas and individual criteria in modern furniture design. See the RAUKANTEX product variants for yourself.

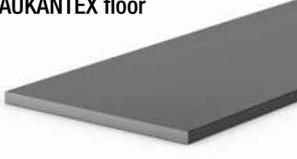


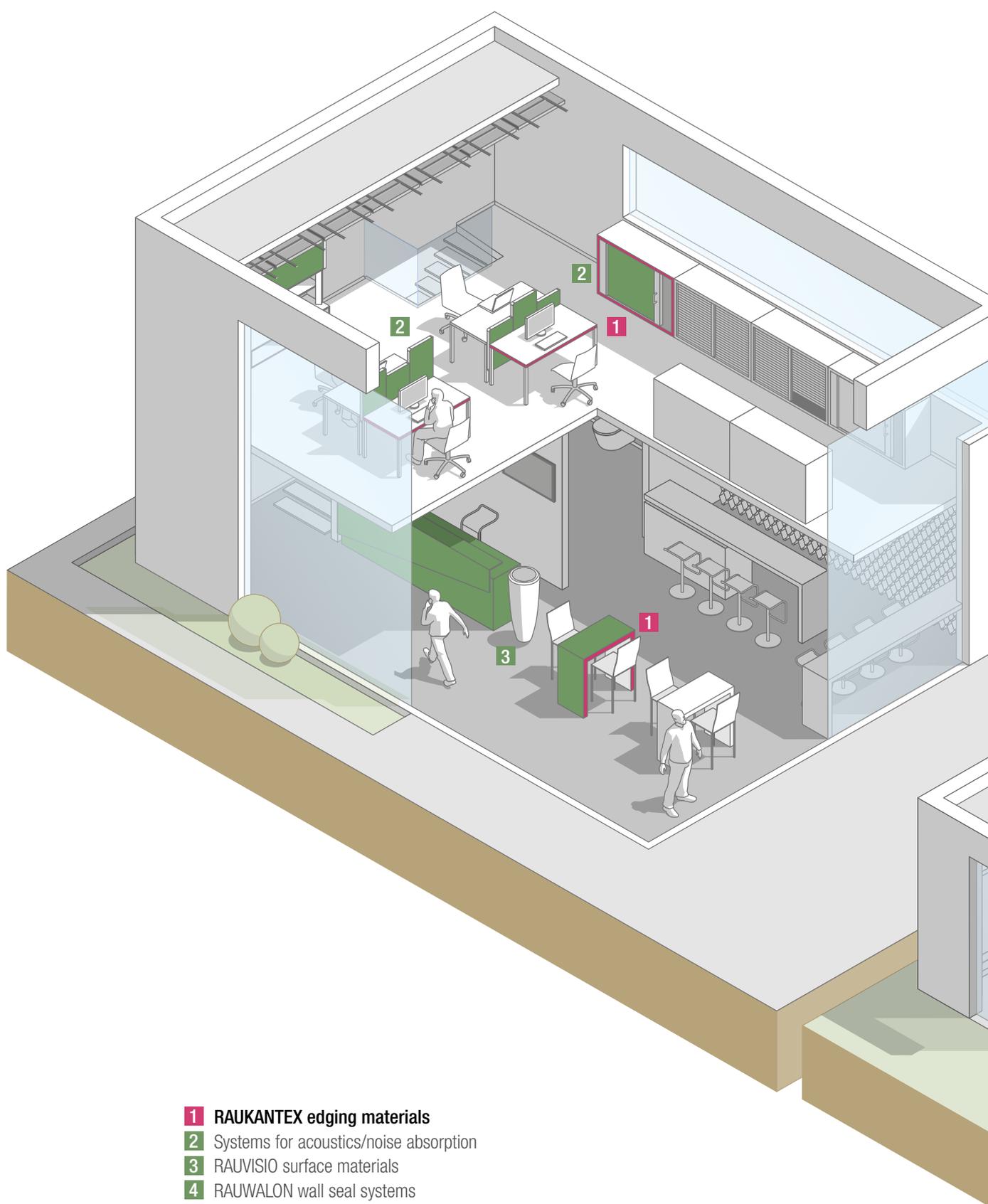
RAUKANTEX PRODUCT VARIANTS

Everything at a glance

Version	Description	Design options	Material
RAUKANTEX visions in a duo design 	<ul style="list-style-type: none"> - Transparent, slim-line leg gives a glass/depth effect - Wide legs match the surface colour - Optional 2-colour functional layer for invisible joint on balancing sheet 	<ul style="list-style-type: none"> - Glass 	<ul style="list-style-type: none"> - PMMA - Transparent, partially pigmented
RAUKANTEX visions in a split design 	<ul style="list-style-type: none"> - Split design gives the effect of a metal substrate under a glass pane - Real metal film is used to give a metal look and feel - Wide range of colours and metallic looks 	<ul style="list-style-type: none"> - Glass and metallic 	<ul style="list-style-type: none"> - PMMA - Transparent, partially pigmented - Real metal film lamination
RAUKANTEX visions in a split design with a V-groove 	<ul style="list-style-type: none"> - The V-grooves adds to the effect of a substrate under a glass pane - Optional combination of materials and decorative design gloss look - Groove is printed on the reverse to give a shaded effect 	<ul style="list-style-type: none"> - Glass and metallic 	<ul style="list-style-type: none"> - PMMA - Transparent, partially pigmented
RAUKANTEX visions in a real glass design 	<ul style="list-style-type: none"> - Transparent real glass design - Three-dimensional depth effect - Wide colour range 	<ul style="list-style-type: none"> - Glass 	<ul style="list-style-type: none"> - PMMA - Transparent, partially pigmented
RAUKANTEX visions in a translucent glass design 	<ul style="list-style-type: none"> - Translucent opaque appearance - Wide colour range 	<ul style="list-style-type: none"> - Glass 	<ul style="list-style-type: none"> - PP - Translucent, partially pigmented
RAUKANTEX magic I 	<ul style="list-style-type: none"> - With real metal insert, optionally embossed - Surface is UV finished - Good radius compatibility - Transparent and colour versions available - Design variants aluminium, stainless steel and chrome 	<ul style="list-style-type: none"> - Metallic 	<ul style="list-style-type: none"> - PET - Transparent - Real metal film insert
RAUKANTEX magic II 	<ul style="list-style-type: none"> - Look and feel of real metal - Design variants aluminium, stainless steel and chrome - Surface is UV finished - Good radius compatibility - Option for contrasting base colour - Can be given a printed finish 	<ul style="list-style-type: none"> - Metallic 	<ul style="list-style-type: none"> - ABS, PP - Translucent, real metal coating
RAUKANTEX magic II in a tiered design 	<ul style="list-style-type: none"> - Split design gives the effect of a sheet on a metal substrate - Lamination with real metal film - Surface is UV finished - Good radius compatibility - Design variants aluminium, stainless steel and chrome 	<ul style="list-style-type: none"> - Wood/stone/solid-coloured and metallic 	<ul style="list-style-type: none"> - ABS, PP - real metal coating

Version	Description	Design options	Material
RAUKANTEX magic III 	<ul style="list-style-type: none"> - Lamination with a thin hot-stamped film - Less costly alternative to real-metal film - Numerous design options 	<ul style="list-style-type: none"> - Metallic 	<ul style="list-style-type: none"> - PP - Hot stamping foil
RAUKANTEX magic 3D 	<ul style="list-style-type: none"> - Three-dimensional depth effect - Good radius compatibility - Numerous front and back decorative designs and colours 	<ul style="list-style-type: none"> - Metallic - Wood - Stone - Solid-coloured 	<ul style="list-style-type: none"> - PMMA - Transparent
RAUKANTEX designo 	<ul style="list-style-type: none"> - Worktop edgebands - Complies with AMK requirements (water vapour and heat resistance, not susceptible to scratching, shockproof) - Various options for gloss levels and effect lacquers - Good radius compatibility 	<ul style="list-style-type: none"> - Metallic - Wood - Stone 	<ul style="list-style-type: none"> - PMMA, PP - Through-coloured
RAUKANTEX decor 	<ul style="list-style-type: none"> - Variety of wood- and stone-look decorative designs - Matches collections by leading board manufacturers 	<ul style="list-style-type: none"> - Metallic - Wood - Stone 	<ul style="list-style-type: none"> - ABS, PP, PVC - Through-coloured
RAUKANTEX natura 	<ul style="list-style-type: none"> - Variety of wood-look decorative designs - Impressive real wood texture through to the core - Wood effect remains intact after radius milling - Natural-look wood-grain effect after processing on the radius and the end face 	<ul style="list-style-type: none"> - Wood 	<ul style="list-style-type: none"> - ABS, PP, PVC - Through-coloured - Grained
RAUKANTEX color 	<ul style="list-style-type: none"> - Wide colour range including RAL shades - Finishing using material embossing possible - Option for various gloss levels – matt to high-gloss UV-finished 	<ul style="list-style-type: none"> - Solid 	<ul style="list-style-type: none"> - ABS, PP, PMMA, PVC - Through-coloured
RAUKANTEX duo-color 	<ul style="list-style-type: none"> - Characteristic laminated look with black underlayer - Various colour, decorative design and surface designs possible 	<ul style="list-style-type: none"> - Metallic - Wood - Stone - Solid-coloured 	<ul style="list-style-type: none"> - ABS, PP, PVC - Through-coloured, two-layered
RAUKANTEX basic edge 	<ul style="list-style-type: none"> - Supporting edge for realising very thin top layers (up to 3 mm thick) on light-weight boards - Base for application of decorative edging - Pressure stability - Free-form parts possible 		<ul style="list-style-type: none"> - ABS - Pressure stable - Rollable - Open pored - Adhesive compatible

Variant	Description	Design options	Material
RAUKANTEX soft 	<ul style="list-style-type: none"> - Sealing technology with soft stop by means of specially developed buffer element - Protection from dust and dirt - Muffles noise made by closing fronts and drawers - For office, kitchen furniture and cabinet systems 	<ul style="list-style-type: none"> - Wood - Stone - Solid-coloured 	<ul style="list-style-type: none"> - PP, PVC - Solid coloured - With co-extruded buffer element - Various shapes of buffer
RAUKANTEX floor 	<ul style="list-style-type: none"> - Edgebands for raised floor systems - Muffles creaking - Flame retardant - Conductivity 5 x 10⁴ to 5 x 10⁵ Ω - Increased brittleness, special formulation for solid surface material boards (anhydride) 	<ul style="list-style-type: none"> - Individual lettering 	<ul style="list-style-type: none"> - ABS, PVC - Anthracite, through-coloured



- 1 RAUKANTEX edging materials**
- 2** Systems for acoustics/noise absorption
- 3** RAUVISIO surface materials
- 4** RAUWALON wall seal systems
- 5** RAUBASE plinth systems
- 6** RAUVOLET tambour door systems

SPACE FOR LIVING

REHAU actively engages in the design of modern living spaces as a long-standing development partner and source of ideas for the construction and furniture industries. For private living spaces, offices or public buildings: wherever employed, our product and system solutions, usually completely invisible, make a significant contribution to our everyday well-being, comfort and safety.

**Know-how
made in
Germany**



We are always near you.
You can find out exactly where at www.rehau.com/locations

This document is protected by copyright. All rights based on this are reserved. No part of this publication may be translated, reproduced or transmitted in any form or by any similar means, electronic or mechanical, photocopying, recording or otherwise, or stored in a data retrieval system.

Our verbal and written advice with regard to usage is based on years of experience and standardised assumptions and is provided to the best of our knowledge. The intended use of REHAU products is described comprehensively in the technical product information. The latest version can be viewed at www.rehau.com/TI. We have no control over the application, use or processing of the products. Responsibility for these activities therefore remains entirely with the respective user/processor. Where claims for liability nonetheless arise, they shall be governed exclusively according to our terms and conditions, available at www.rehau.com/conditions, insofar as nothing else has been agreed upon with REHAU in writing. This shall also apply for all warranty claims, with the warranty applying to the consistent quality of our products in accordance with our specifications. Subject to technical changes.

© REHAU AG + Co
Rheniumhaus
95111 Rehau
www.rehau.com

M01704 EN 05.2019