
**Laser technology revolution**

The revolutionary laser processing of edgeband materials will be one of the key themes of this year’s REHAU trade fair display. Specifically for this process, REHAU has developed RAUKANTEX laser edge, a pure polymer solution that completely replaces the adhesive used in edgeband processing, thereby making a practical, permanent invisible joint possible. REHAU can supply the whole range of its extensive edgeband material programme for laser technology processing.

Even smaller quantities are available from stock to make these REHAU innovations accessible to trading partners, and therefore also to interior contractors.

**Design element edgeband**

REHAU will be presenting numerous innovations in edgeband materials at the interzum 2011. Different types of surface finishes, new structures and lacquering effects create a range of visual and haptic experiences.

The RAUKANTEX visions product line for edging glass like surfaces has been developed further. With RAUKANTEX power edge, the company is introducing an innovative solution for edging that invisibly carries electric current.

**Bright highlights**

With the RAUWALON lineo display, REHAU will be presenting a multifunctional niche system at interzum 2011, that impresses not only in terms of design but also because of the many areas of application, for example as an indirect light source.

Indirect and atmospheric lighting is also provided by RAUKANTEX lite, a new edgeband from the REHAU EXPRESS COLLECTION.

This also applies to the surface material RAUVISIO mineral - the translucence of the “vision” product line is perfect for background lighting and the creation of new design perspectives, for example when realising new shop concepts.

Additional degrees of design freedom are provided by the new RAUVISIO mineral decors, which were developed in cooperation with design specialist Dr. Leonard Oberascher.

REHAU offers innovative solutions for modern office environments with its new RAUWORKS programme, to be launched at interzum.

Read more about our innovations on the following pages.
Together with a customer, REHAU has developed the new RAUVOLET pure-line tambour door system. Central aspect: a completely new kind of design that avoids the segmented appearance - i.e. the “slatted look” - of conventional tambour door systems. This has allowed REHAU to address the increasing demand for continuous and homogeneous fronts, which up to now could only be realised with panel or sliding doors; combining a clean and streamlined design with the functional advantages offered by tambour door systems, such as the space-saving aspect and easy access to the entire contents of the cabinet.

RAUVOLET pure-line - setting new trends without a slatted look.

Glass elements have long been a feature not only in kitchen design but also for living spaces - there is hardly a living room without classic glass-fronted display cabinet or glass doors. REHAU’s RAUVOLET vetro-line glass tambour door system offers a completely new solution for sophisticated design requirements.

RAUVOLET vetro-line combines the premium look of real glass with the installation ease and comfortable running characteristics of polymer tambour door and cartridge systems. With 50 mm wide slats made of single-glazed toughened glass, the tambour door system creates a harmonious and flat front and becomes a true highlight in the design of modern living environments. The safety glass is extremely stress-resistant, does not scratch, and captivates with its impressive translucence and excellent planarity.

The use of real glass has also established itself as a high-quality and visually appealing solution on the furniture front. New kinds of surfaces combine the advantages of polymer materials with the visual effects of real glass solutions. The RAUKANTEX product line by REHAU was developed as a new generation of edgeband materials for this specific purpose, suitable for the edging of these new kinds of surfaces and their special requirements. Edgebands made of PMMA allow for a seamless look on the front and create the impression of a flush fitted glass top. RAUKANTEX visions for glass fronts offer maximum design freedom, as they are available in all colours. These edgeband materials, too, are suitable for laser technology processing - with excellent visual results.

Wood symbolises naturalness, warmth and comfort, and has become an intrinsic feature in kitchen environments. Whether understated or with a distinctive grain - new methods for surface finishing allow perfect reproduction. REHAU has developed a purpose-made, new kind of rough-sawn surface structure that is virtually indistinguishable from real wood, both in terms of look and feel. Thanks to a special lacquer, edgebands featuring this type of surface provide a real sense of naturalness for worktops and framework. Edgeband materials with a rough-sawn structure combine a natural look and feel with all the advantages of polymer materials.
Weaving furniture and accessories are attractive highlights for outdoor spaces, but also for modern living environments or bedrooms. Armchairs, pouffes and stools, recliners, or even vases and decorative elements - the range of applications is extremely varied.

With its RAUCORD weaving material, REHAU offers a high-quality alternative to natural materials, for example in terms of colour fastness. RAUCORD is available in different programme lines - from extravagant single colours to natural-looking materials, there is something to suit everyone’s taste.

**RAUKANTEX LITE**

**LIGHT EFFECTS AT THE EDGE**

At the shelf in the living room, on bathroom furniture, at the kitchen worktop, but also on shop fittings: indirect lighting creates a particularly comfortable and stylish ambience. With its innovation RAUKANTEX lite, REHAU has developed a new kind of edgeband that can be used for background lighting purposes. To achieve this effect, a hollow space is cut into a particle or MDF board, and a LED (or RGB) band is glued in. When the LEDs are switched on, light penetrates the permeable areas of the edgeband. The application can also be modified for use in honeycomb boards.

As part of the REHAU EXPRESS COLLECTION, RAUKANTEX lite is available from REHAU retail partners - quickly, flexibly and in small volumes.

**RAUKANTEX MAGIC 3D**

**NOVEL DEPTH EFFECT THROUGH METALLIC PIGMENTS**

With its RAUKANTEX magic 3D product line, REHAU offers edgeband materials with a unique three-dimensional depth effect. This turns the furniture edge into a real eye-catcher. This depth is created by a clever combination of transparent surface and high-quality printing of the edgeband materials on the front and reverse side. Decorative finishes stand out even more, and single colours appear even more brilliant.

At interzum, REHAU will be presenting new decorative finishes for its RAUKANTEX magic 3D line, featuring metallic pigments that create a completely new visual effect.

**BEDROOM ENVIRONMENT**

In contrast to the kitchen or the living room, the bedroom is not a “public” space - rather, it is the most private room in the home, a place to withdraw to, and a space that is not usually shown to anyone else, unless you choose to do so. Our bedrooms provide rest and relaxation, we lock out the hustle and bustle of everyday life and renew our strength here, furniture and colours are designed to convey mainly one thing - cosiness. Indirect lighting, unassuming visual high-lights, and comfortable materials turn the bedroom into a personal refuge.

Light construction remains a hot topic in the furniture industry. The use of light construction materials creates novel design options, for example for worktops, suspended doors or tables and storage areas. REHAU has focused on light construction for some time, and has greatly advanced this development with its RAUKANTEX basic edge supporting edgeband solution. This edgeband development makes it possible to apply even the thinnest of covering layers on frameless lightweight boards - even on customised shaped boards.

With its long-standing experience in the functional profile segment, REHAU has also developed a moisture protection profile for sink and stove cut-outs, as well as a back wall profile (U-profile) that allows stable attachment, and safe guidance for back walls in light construction furniture carcasses.

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KITCHEN ENVIRONMENT

The hub of family life, a place for cozy evenings with friends, a lifestyle symbol - today’s kitchen is more than just a room for food preparation. It is the heart of any home or apartment, and it is becoming increasingly more important in these times of “cocooning”. With this in mind, comfort and individuality, along with multifunctional systems, are paramount. REHAU offers a number of product solutions that meet these requirements, and will be introducing novel applications for the kitchen environment at interzum.

RAUWALON LINEO
MULTIFUNCTIONAL NICHE SYSTEM

With its RAUWALON lineo study, REHAU will be presenting a multifunctional niche system at interzum 2011 that impresses not only in terms of design but also because of its wide range of applications and variants. Whether in the same decorative finish as the worktop, or as a contrast, plain coloured, or with a metallic surface - RAUWALON lineo is a visual highlight.

Numerous additional functions, such as the fact that it can be used as an indirect light source, or that it is able to carry and store electric current, lend real added value to this system.

RAUKANTEX POWER EDGE
ELECTRIFYING EDGEBAND INNOVATION

Lighting units that are directly integrated into the cabinet body? Lighting of individual drawers? Flexible positioning of loading stations (e.g. for household appliances or mobile phones)? These and other applications are made possible by RAUKANTEX power edge.

With RAUKANTEX power edge, REHAU has developed an innovation in the edgeband segment. This functional "dummy edge", which is applied to the worktop invisibly under the actual decorative edgeband, is able to carry electricity to receptors, for example lights, via two integrated copper conductors. This means that no cumbersome cabling is needed, significantly improving the overall look.

REHAU will be launching this innovation at interzum, providing visitors with extensive information about possible applications and the advantages this product offers.

RAUVISIO MINERAL
EFFECTIVE BACKGROUND LIGHTING

With RAUVISIO mineral, REHAU offers a diverse surface material for a variety of different applications in creative furniture and interior design.

In addition to its wide range of decorative finishes for RAUVISIO mineral, REHAU developed two attractive design lines in 2009 - "Oro" and "Visione" - together with colour and decorative finish specialist Dr. Leenhard Obrabacher. The "Visione" line convinces not only with its cool and futuristic design, but also provides sophisticated additional design-related advantages. Thanks to their translucence, these surfaces are also suitable for background lighting, allowing creative interior design effects.

Panelled walls with integrated lights, attractive security lighting, background effect lighting on counters, or backlit lettering for sales room design - the number of design options is sheer limitless.
"Bathroom living is trendy" - this statement is one you will continue to hear more often. It may initially sound a little strange, but it actually makes sense, considering today’s bathroom. The days when it was a mere "wetroom" are long gone. It is increasingly becoming a personal wellness space and in-house spa area. The current emphasis is on cozy lighting, calm colours and accessories, and a sense of actually looking forward to spending time in the bathroom. Bathroom furniture, too, is increasingly designed with these requirements in mind.

RAUVISIO MINERAL
NEW DECORS

The RAUVISIO solid-surface material offers a sheer endless variety of applications. Due to its excellent properties, such as free formability, hygienic surface, warm and pleasant feel, and, not least, the wide spectrum of possible colours and decorative finishes, RAUVISIO mineral is ideally suited for modern bathrooms, but also for almost any other creative interior design application.

At interzum 2011, REHAU will be presenting four new decors for RAUVISIO mineral, which were developed together with colour and decorative finish specialist Dr. Leonhard Oberascher. The harmonious appearance of natural stone such as granite or diorite characterises the "Granito" family of decorative designs. The visual effect lacks nothing in terms of plasticity and depth effect and therefore brings any piece of furniture and any room to life. The two new brown decorative designs are also based on nature. Earthy and plant-like properties with regard to colour and texture create organic elements in the living room and, as a result, a warm ambience.

REHAU JOINTING PROFILE
SEALING, JOINTING, SETTING ACCENTS

REHAU jointing profile is incredibly practical and, at the same time, of a high-quality design - a multifunctional profile solution that is suitable for a variety of application areas.

Due to the symmetrical profile configuration and a newly developed, moulded connecting part, the profile can be used to connect vertical areas with each other, and can also be used as a top or bottom end profile. The perfect sealing function offered by REHAU jointing profiles also makes them an all-round talent and high-quality alternative to silicone joints in plumbing applications, or as a sealant around acrylic and ceramic bathroom furniture such as sinks or bathtubs.

RAUKANTEX LASER EDGE
NO ADHESIVE, NO JOINT, NO PROBLEM

Almost no other issue is currently being discussed in the furniture industry as much as "laser processing" - a new form of edgeband processing that is setting completely new benchmarks in terms of quality and looks. As a trailblazer in the field of laser technology, REHAU has developed RAUKANTEX laser edge as an innovative and fully polymer edgeband material generation that completely replaces the use of adhesive in processing.

The fully polymer RAUKANTEX laser solution creates a practical, permanent invisible joint, significantly increasing the heat and moisture resistance of the finished components, compared to conventional gluing - one aspect that also plays a major role in the bathroom. REHAU offers RAUKANTEX laser edge in all edgeband material lines - which means that the sky is the limit in terms of design freedom.

Even smaller quantities are now available from stock - that way, REHAU makes these innovations accessible to its trading partners, and thereby also to interior contractors. (Read more about it on page 7!).
Balancing acoustic function with attractive design, REHAU has developed the product RAUVOLET acoustic-line for use in office and work environments. The acoustically effective RAUVOLET acoustic-line tambour door system, featuring a special patented profile geometry, continuous hole punching, and integrated sound-absorbing fleece material makes a valuable contribution to improving room acoustics.

New work methods, flexible departmental and team structures, modern forms of communication - our working life has changed noticeably in recent years, and continues to be subject to constant change. This has also resulted in new demands on office architecture, room design and furniture. Popular are modular system solutions that can flexibly adapt to continuously changing situations. On the occasion of Orgatec 2010, REHAU introduced two interesting studies about this field, which have been developed further and will now be presented exclusively at the interzum in Cologne.

The RAUWORKS front lift-up door module is a multi-functional furniture front that can be used in a variety of ways. As an additional element for acoustic near-field shielding, as a presentation area, or as a whiteboard for informal meetings - RAUWORKS front is extremely diverse.

Another highlight is the acoustically effective RAUWORKS screen partitioning wall element, which ensures more quietness and comfort at the workplace by absorbing direct sound. This segmented, height-adjustable system meets a variety of work situations - it can easily switch between focused individual work and communicative team situations.

On average, the linear broadband absorber can absorb up to 80% of sound over the entire frequency range, and also functions as a particularly effective speech-relevant absorber. RAUVOLET acousticline can be used as a tambour door mats on cabinets and dividing walls, but also as a wall-mounted mural - just give your creativity free reign. Additional design freedom is created by the option of applying decorative all-over prints to the profiles.

The average person spends between 70,000 and 80,000 hours of his or her life at the workplace, where a sense of wellbeing and a good atmosphere are prerequisites for willingness to perform and motivation. With respect to designing work environments, this means not just integrating concentration and communication areas but also recreational and break-time requirements, calling on office environments to be designed with a focus on feeling and comfort. REHAU’s modern solutions fully meet these requirements.
EDGEBAND MATERIALS FOR LASER PROCESSING
NOW ALSO AVAILABLE FROM STOCK!

The laser processing of edgeband materials is a central theme in REHAU’s trade fair presence at interzum 2011. REHAU has developed the purely polymer RAUKANTEX laser edge edgeband material generation especially for this revolutionary technology. A novel solution that completely replaces the glue used in edgeband processing, making a permanent, invisible yet totally functional joint possible.

The removal of the adhesive component sets completely new benchmarks in terms of quality and design, and optimises processing - and not just in industrial production. REHAU is now making this innovation available to its retail partners, too, and therefore also to interior contractors.

The RELAZZO terrace configurator turns your dream terrace into reality with just a few mouse clicks. The interactive platform www.rehau.com/relazzo turns terrace planning into an experience. The configurator also includes videos on installation, sample decks and a material planner, inviting you to obtain more information or to go ahead and plan your new RELAZZO terrace.

MODERN SERVICE TOOLS
REHAU PRODUCT CONFIGURATORS

In addition to high-quality products and system solutions, REHAU also views service quality as an important factor. The company offers its retail partners clever logistics concepts and a wide spectrum of services, as well as technical support by specialists, along with training and workshops at the REHAU AKADEMY - all this allows for qualified knowledge transfer.

REHAU also offers a special service highlight with its product configurators to make daily routine processes much easier and better to manage.

The REHAU tambour door configurator stores all logics and design principles of the REHAU EXPRESS COLLECTION’s tambour door systems. Integrated plausibility checks and automatically guided product selection make the tambour door system configurator easy to use. Installation-ready sets can now be ordered from REHAU retail partners, starting at an order volume of as little as one unit.

800 colours and decorative finishes (ABS and PMMA materials) are available from stock. The REHAU EXPRESS COLLECTION is also characterised by quick availability, a wide range of sizes, and small-volume sales quantities.
INTERNATIONAL DESIGN AWARD 2011
"DESIGN YOUR LIVING SPACE"

Numerous applications from more than 50 countries are evidence of the high degree of globalisation that characterises the "International Design Award", which is awarded jointly by Hettich and REHAU every two years.

This 8th contest again focused on novel concepts for modern living environments under the motto "Design your living space". Submissions were evaluated by an outstanding expert jury at the beginning of March, and the winners were announced at a press conference directly after the jury meeting at the MARTa Museum in Herford.

The international jury, which consisted of Mal Corboy from New Zealand, Bankim Tarun Dave from India, Paul Epp from Canada, Karl Malmvall from Sweden and Andreas Struppler from Germany, was impressed by the innovative and creative designs of the architecture and design students.

The winners of the "International Design Award 2011"

Working as a team, a group of students from the Academy of Fine Arts in Gdansk, Poland, created "DisKee", a complex system of kitchen furniture that particularly addresses people with disabilities.

A group project at the Ontario College of Arts & Design, Canada, produced the "Wave", a clever and interactive unit for storing, refrigerating and freezing food.

"Shelf Luggage", a design by Bohyun Hwang from Sangmyung University in Korea, is a luggage unit that converts into a shelf.

A group of students from Chulalongkorn University in Thailand created "Fish", a basin that imitates nature’s water cycle. The used water is recycled through a condensation process.

Mae Shaban from the University of Toronto in Canada designed "Algeoli", a concept that recycles used and contaminated air as well as dirty water in small membranes in the direct vicinity of users.

Prizes awarded on location

The five best designs are honoured with the International Design Award sculpture. In addition, the students also receive a prize of EUR 2,000 each. These prizes are awarded during a ceremony that is held at the winner’s university or technical college and hosted by Hettich and REHAU together with the educational facility.

REHAU ARCHITECTS CHALLENGE
A DREAM OFFICE BECOMES REALITY

Under the motto “BRAVE ENOUGH? GOOD ENOUGH?”, REHAU established the REHAU ARCHITECTURE CHALLENGE, a competition for young architects and designers, in 2010.

Their task was to design their personal dream office, which in turn also became the winning prize, valued at EUR 50,000. The winners, three young architects from the "Schaltraum" team, were announced at Orgatec 2010, and their dream office is now becoming reality.

Location in Hamburg

While there is certainly no shortage of attractive locations in "Schaltraum’s" home city, it was not easy to find the right location for the dream office of Christian Dahle, Christian Dirumdam and Timo Heise. "Representative, a bit unusual, good location - but still affordable" - these were the search criteria of the three young architects. The team finally found the right spot at the Johanniswall, just across the road from the well-known Chilehaus between the main train station and Hafencity.

Getting underway

Following the motto "Do it Yourself!", Schaltraum had always intended to do as much of the renovating and redevelopment work as possible themselves. Starting with the removal of unwanted walls and inadequate building work from past years, to the fitting of new wall paneling and the development of lighting concepts, as well as painting and the floor installation work, Christian Dahle, Christian Dirumdam and Timo Heise have worked very hard to create their dream office over the past few weeks. REHAU produced the furniture in accordance with the plans provided by the three architects and adapted it to the individual requirements of the dream office. The team is expected to move into their new premises with a grand opening in the spring - we will be reporting on this event in the next edition of the magazine.

More information online – at www.rehau.com/architects