

KANTENnews



Edition 19

DÖLLKEN

A SURTECO COMPANY

DIGITAL-EDGE:

Individuality meets design

Unlimited choice of decors.

Based on recently developed technology, it is now possible for the first time to show individual motifs such as logos, photos, writing or graphic designs on edgebands. Digitally printed edgebands now invite furniture designers and interior decorators to decisively distinguish themselves from the competition by incorporating striking design details in their shop fittings. The Döllken Digital-Edge makes designer dreams come true.

Digitally printed edgebands (e.g. with the brand logo on shop counters, bistro tables or on furniture) offer important additional advertising space. They create a personal touch, individuality and identity and represent a decisive additional benefit to your customers and to you as a producer of furniture.

Give it a try and design your own edging.

- Use edging as a communication platform for advertising and corporate identity / corporate design
- There are no limits to your creativity. Döllken will print any motif of your choice (photo or graphic) on the edging
- Your individual design or advertising message, ordered from as little as 50 m
- Visit Döllken's Creative Pool under www.digital-edge.de for inspirations and a range of selected motifs
- Or simply send us the data file with your design

You may also refer to Döllken's digital world of motifs for inspiration. Choose selected digital design edging motifs under the following categories:

1. Culinary
2. Leisure / Sports
3. Graphics / Design
4. Landscape / Nature
5. Comic / Youth
6. Technics



www.digital-edge.de



ECOLOGY:

Certification makes the difference in the marketplace

Döllken receives worldwide GREENGUARD certification for its edging products.

With the demand for healthy, sustainable products increasing worldwide, consumers, designers and furniture manufacturers are searching for standards for the objective evaluation of sustainability. This is where the GREENGUARD certification programmes offer the market possibilities. With its thermoplastic edging products (ABS, PMMA, PP and PVC), Döllken has met the stringent requirements of the GREENGUARD Children & Schools certification programme and was subsequently awarded worldwide certification by the renowned GREENGUARD Institute in Atlanta / USA. This certification covers all the Döllken Group production facilities for edgeband (Germany, Canada, USA, Chile, Australia, Indonesia and China). The GREENGUARD Indoor Air Quality programme tests products for the emission of more than 10 000 identified chemical compounds.

The benchmarks and requirements are based on international parameters such as the Blue Angel, ISO 14001 or the American EPA (Environmental Protection Agency) benchmarks. To retain their certified status, the products must furthermore be re-tested annually. The GREENGUARD Children & Schools certification programme prescribes compliance with highly demanding criteria for product certification since the facilities in these areas are utilised particularly intensively and because children are very sensitive to emissions.

With this certification, Döllken can demonstrate its ecological credentials, thus meeting its customers' increasing demand for certified sustainability of its products.



Editorial

Impulses towards the future

The predominant theme for the 19th edition of KANTENnews reflects Döllken's standard and philosophy: Ongoing product innovation, quality and service of the highest standard - these are our constant objectives as your reliable and efficient global partner.

In this sense, you may again this year look forward to special highlights in development, design and processing, coming to you from the world of thermoplastic edging.

Döllken's trend-setting laser and Fusion-Edge technologies are on their triumphant course towards domination of high-grade furniture production. The reliable process of using laser or plasma technology on all edging materials and the added visual value of the zero joint represent the developing new standard in modern and demanding furniture manufacture.

The Döllken Digital-Edge makes designer dreams come true. Your creativity is unlimited now - even small batch volumes can be produced in the shortest possible time. Your individual motifs are therefore available directly and in stunning quality, opening up exciting new design options in furniture production and shop fitting.

Sustainability and ecology are areas of special interest to Döllken. To ensure that assessments are based on objective standards, Döllken signed up with the GREENGUARD certification programme and has since achieved certification for all thermoplastic edging products - covering all our production locations worldwide.

Short production times, fast worldwide delivery service, individual colour concepts and personal technical consultation by our field service team are standard procedure at Döllken.

We will support you with groundbreaking innovations, comprehensive expertise, reliable top quality and customer-oriented service - to ensure your satisfaction and thereby your success.

*Innovation powered
by Döllken*

Your Döllken Team

FUSION-EDGE:

The zero joint is now reality

Fusion-Edge

Döllken's innovative Fusion-Edge is the perfection of design and function.

Following the development and series production of its Fusion-Edge, Döllken is ushering in a new era in edgeland processing. Using the laser joining process, Fusion-Edge is optimally suited to covering narrow surfaces - creating an invisible and durable bond with the board. Compared to conventional glued edging, it offers economic advantages and considerable visual and functional added value. Many leading manufacturers and suppliers of furniture have realised these advantages already.

Our point of departure for this revolutionary development in design and production technology was the desire to develop an edge processing method that would relegate visible glued joints to the past, doing away with conventional hot melt bonding and its disadvantages. Furniture manufacturers also attached particular importance to waterproof bonding of individual components. The end result is of convincing and innovative significance.

With its new developments in edging technology, Döllken focused on co-extruded edging with a functional coating and adhesion enhancing agents. Various processing methods were analysed and tested, including the performance of different functional coatings under laser radiation, in cooperation with an independent research institute.

The four salient problem areas were solved convincingly:

- *Visually perfect due to zero joint*
- *No additional hot-melt adhesive*
- *Very good dimensional stability under heat and resistance to moisture*
- *Very efficient when processed by the customer*

Compared to standard gluing based on conventional hot-melt adhesives, the bonding and board properties could be significantly improved, thanks to the intelligent use of functional coating components.

The base layer of the co-extruded edge comprises PP, ABS or PMMA, with a thickness of 0.6 to 3 mm. Different materials with adhesion and cohesion properties are used for the particularly thin, integrated functional coating with its glue-like adhesion reinforcing agents. Particular attention was paid to mechanical workability. Smearing no longer occurs on machining tools.



www.fusion-edge.com



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TECHNOLOGY
AWARD 2008

Döllken-Fusion-Edge:
WINNER OF THE
M TECHNOLOGY
AWARD 2008



DESIGNPREIS
2009

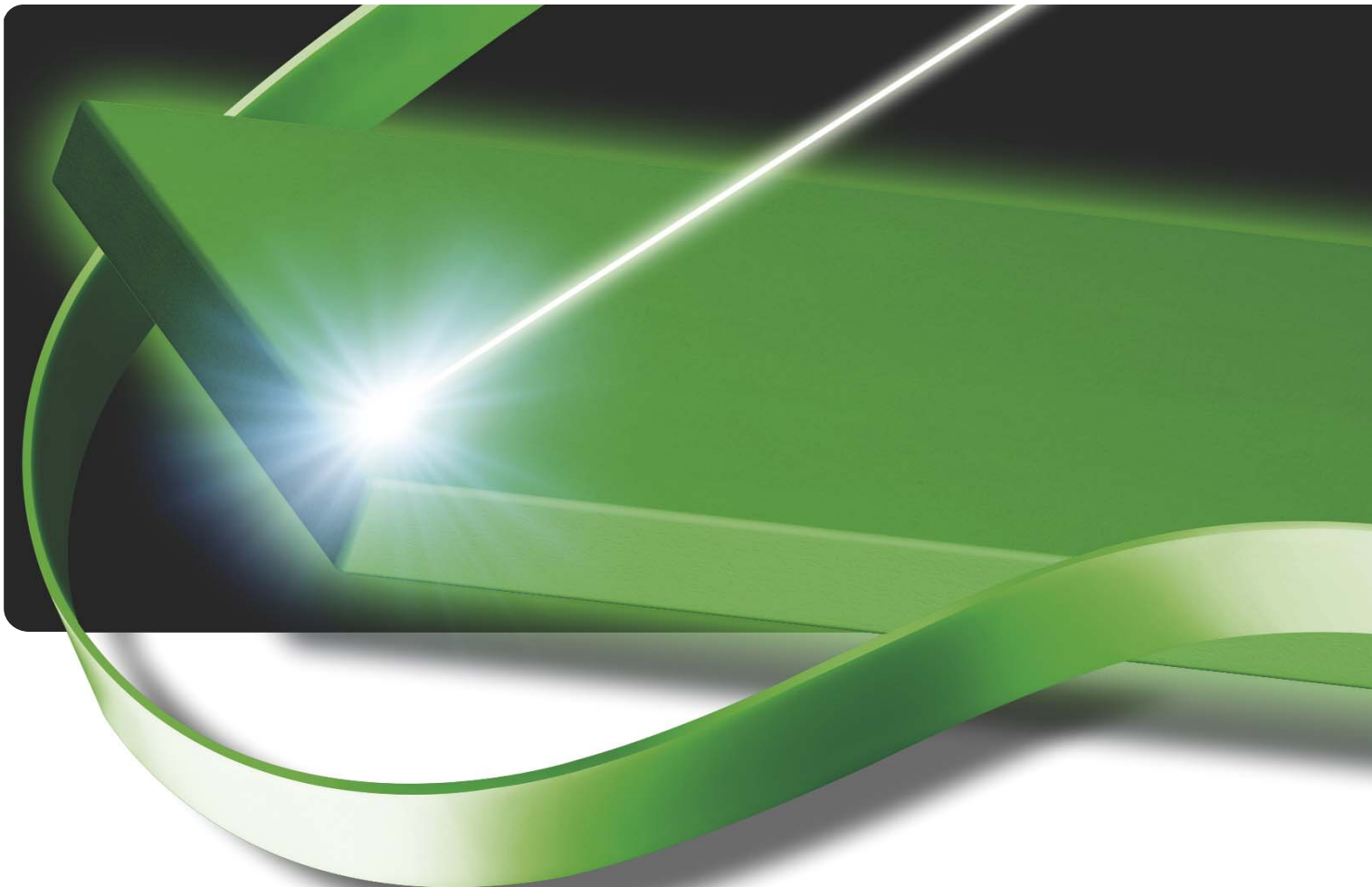
Döllken-Fusion-Edge:
NOMINATED
DESIGNPREIS
BRD 2009



An oscillating mirror is used to fan out the round laser beam into a line as the Döllken Fusion-Edge approaches the board. This melts the Döllken Fusion-Edge functional layer before it is pressed onto the board. The result is convincing in all respects. Compared to comparable processing methods using conventional hot-melt adhesives, the strength of the joint has clearly been improved. This is also true for the quality of the joint using different processing speeds and the tightness of the joint. A reliable and lasting bond to all conventional wood materials is guaranteed.

The economic advantages and reliable production of the Döllken Fusion-Edge are impressive - because the system is fully integrated. Matching ancillary materials such as adhesives no longer need to be kept in stock and the Fusion-Edge is furthermore

compatible with all conventional laser systems. The complexity of processing is reduced. Times for setting up and maintenance are minimised and the reject rate and risk of claims are reduced. Machine availability and productivity are simultaneously increased. The Döllken Fusion-Edge is convincing not only by dint of its economy of processing. The accurate colour match between base and functional layer eliminates the annoyingly visible joint between edging and board. The so-called visually zero joint has been created and the overall image is no longer spoiled by an unsightly glued joint. This means that the innovative Fusion-Edge is revolutionary, also for furniture, shop fittings and interiors, because the products are significantly enhanced visually. And do not forget the enormous choice of decors, since the entire Döllken range of colours and decors can be supplied as Fusion-Edge.



EMBOSSINGS:

Palpable surface experience

Horizontal and vertical characteristics leave a distinctive imprint.



In recent years, depth and distinctive surface patterns have become firmly established in all the decor programmes. To satisfy this need, Döllken offers a range of over 20 different embossings for optimal decor edging, lending such furniture a very distinctive liveliness. Whilst the trend towards surfaces with tactile dimensions continues, Döllken's developments in the range of textures are also ongoing to further perfect the natural visual effect and palpable surface designs.



Convertible - the rough-sawn texture, perfect for longitudinal and cross edges.

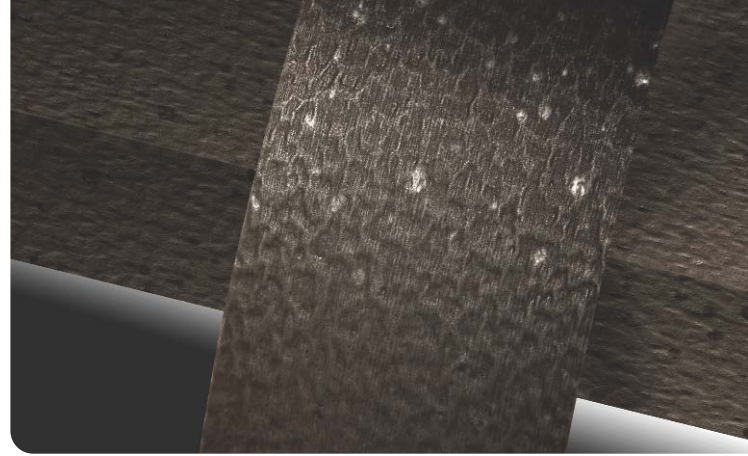


The result of consistent further development at Döllken is an edge-duo, which deliberately extends the image and embossing of the surface of the board down the edges, longitudinally and across: one edge with image across / texture longitudinal for the cross-cut side and one edge with image longitudinal / texture across for the longitudinal side. The result is an edge which is visually perfectly integrated in the surface decor. With rough-sawn, the gloss levels of the board surface are also continued into the edge surface.

- *Texture and image of the board are continued into the edges on the longitudinal side and the sides across*
- *Perfect edge-duo for optimal decor edging*
- *Particularly well suited for door fronts*
- *Available for all edging materials and board surfaces*

Embossing "MICA"

- *The new surface finish from Arpa in Italy*
- *Velvety surface by virtue of dull matt finishing lacquers, complemented with a stone imprint*
- *The partially glossy varnishing creates highlights*
- *Texturing featuring two levels of gloss*



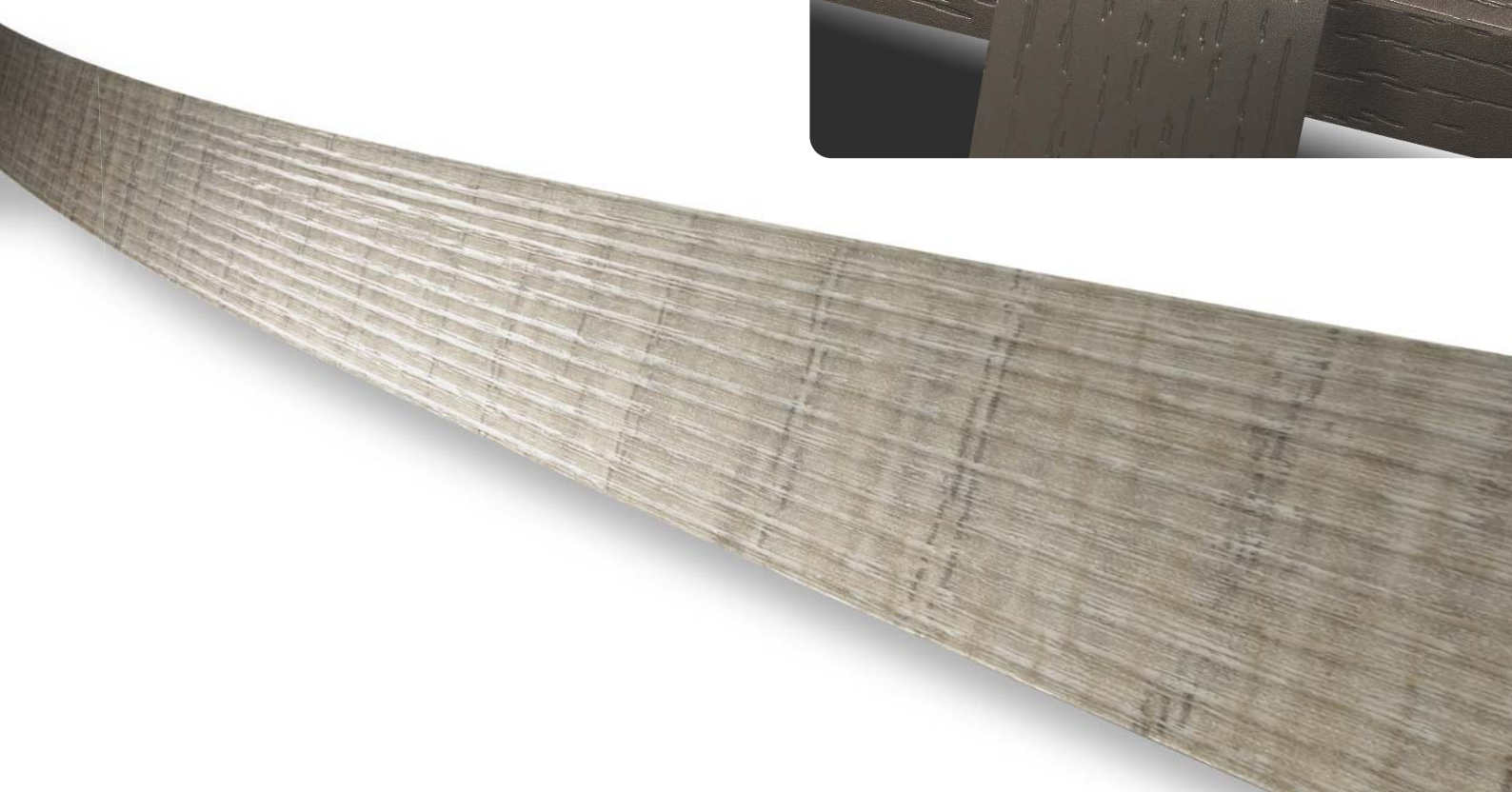
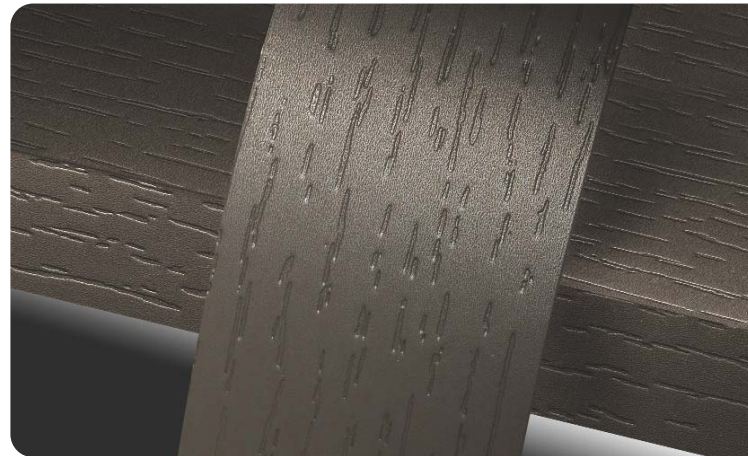
Embossing "Basalt"

- *Stone imprint for worktop edges*
- *Used look or Vintage*
- *Appearance of broken or flame-scarfed stone*
- *This embossing lends trendy decors a unique character*



Embossing "Alter Ego"

- *Extra deep ash pores*
- *Emphasises the natural look-and-feel*
- *Brings decors to life*
- *Lends a distinctive character to the edging surfaces*
- *Surface trend from Italy*



3D EDGING:

The standard for quality furniture

Impressive appearance of depth.

Döllken, the inventor of 3D edging, has introduced a new dimension to edging manufacture - from a functional as well as an aesthetic point of view. In doing so, Döllken developed a totally new technology: 3D edging is manufactured using transparent acrylic and the decor is applied on the back. Viewed through the crystal clear material, each decor exhibits a unique, typical 3D effect of depth. The edging surface may be polished to achieve any desired gloss level. This produces a totally novel, particularly high-grade look to the edging, with an equally novel quality. The hard acrylic layer protects the colours or decors applied to the back against all damage and each decor image is perfectly retained, even behind a milled

radius. 3D edging can be processed manually or, for straight edge processing, on all edge gluing machines with hot melt adhesive systems. An independent 3D material formulation was developed to achieve even more efficient processing in the machining centre: 3D-BAZ.

- *Novel, particularly high-grade look*
- *Printed images are completely protected against damage and remain perfectly intact even with a milled radius*
- *Can be polished to any gloss level*
- *Available ex stock in many current colours and decors*
- *Manufactured to order in any desired decor*

PERFECT ALTERNATIVE TO GLASS:

3D-Duo-Gloss



3D-Duo-Gloss edging is compelling, with its two gloss levels on one edge. This particularly high-grade effect is usually applied with plain colours and offers the advantage of an environment of uniform colours whilst simultaneously accentuating the material mix effect. The top section is normally varnished to a high gloss, thereby matching the high gloss look of the surface of the board. The lower area is matt, thus matching the trendy matt glass look which is now increasingly applied in the kitchen environment.

- *Upgrading of plain colours*
- *Perfection, especially with the glass look*
- *Natural appearance of simulated material mix edging*
- *Unique effects achieved by varying the gloss levels*

3D HIGH GLOSS EDGING:

Varnish finishing to perfection

3D-Premium-Gloss: The ultimate in high gloss. For all applications demanding an uncompromising high gloss edging solution - and this without additional polishing. The edging has very good surface stability, rendering it robust against mechanical and chemical attack. A variety of edging solutions are on offer to satisfy the most varied of requirements and demands - and always accurately matched to the gloss level and decor of the board.





KSP:

The current Instant-Edgeband-Programme (KSP) 2011

Quality on hand, worldwide.

The edgeband stock programme, arguably the most successful in the timber trade for over a decade, has been further improved. Döllken sets additional standards with its new 2011 list of decor edging. The Instant-Edgeband-Programme offers the craftsman the opportunity of buying his matching edgeband in the trade in no time at all, to match virtually any board. Quantities from as low as a single roll are available ex-stock within 24 to 48 hours. More warehouses were set up during the past two years to establish a presence close to the customers. In addition to its headquarters in Germany, Döllken is now “on site” with warehouses throughout Europe, i.e. in France, Italy, Spain, Poland, Russia and Turkey. As such, Döllken lives up to its guiding principle of “think globally, act locally” and doing this fast, flexibly and always in tune with the customers’ needs.

The decor edging system has been completely reworked, optimised and adapted to all the boards of globally leading

manufacturers. Döllken currently stocks edgebands matching more than 10 000 board templates. The new surface finishes and gloss levels were also taken into account and national and international trends have been integrated in the KSP. Apart from diverse texture variants, the 3D-Premium-Gloss, 3D-2in1, Premium high gloss and Economy high gloss edgebands with perfect mirror finish are included in the KSP again. Use the Edgeband Finder at www.kanten-finder.de to quickly find your matching edging.

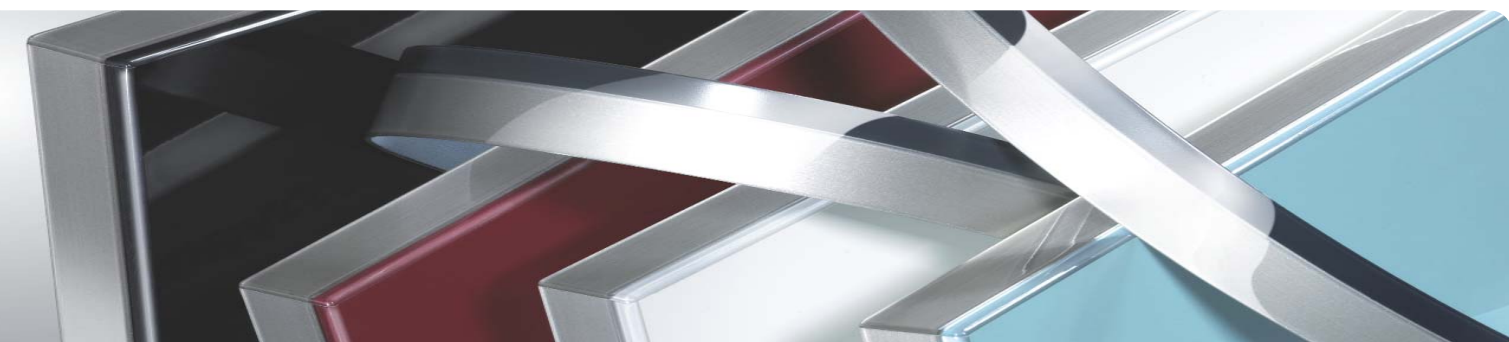
Döllken uses exclusively the high-tech plastics ABS and acrylic for its stock programme. Döllken’s GREENGUARD certification is proof of our commitment to low-emission products. The eco-balance for the edgebands is positive and the high-grade plastic edgings with their accurate print imaging and natural imprints in addition meet Döllken’s high quality standards.

3 D - 2 I N 1:

The alternative with advantages

The 3D-2in1 edgings are the clever alternative to real glass. They have the visual advantages of glass, but without its drawbacks in terms of processing, transportation and use. Glass continues to be the trend and it has advantages as a modern design element in that it accentuates whilst simultaneously

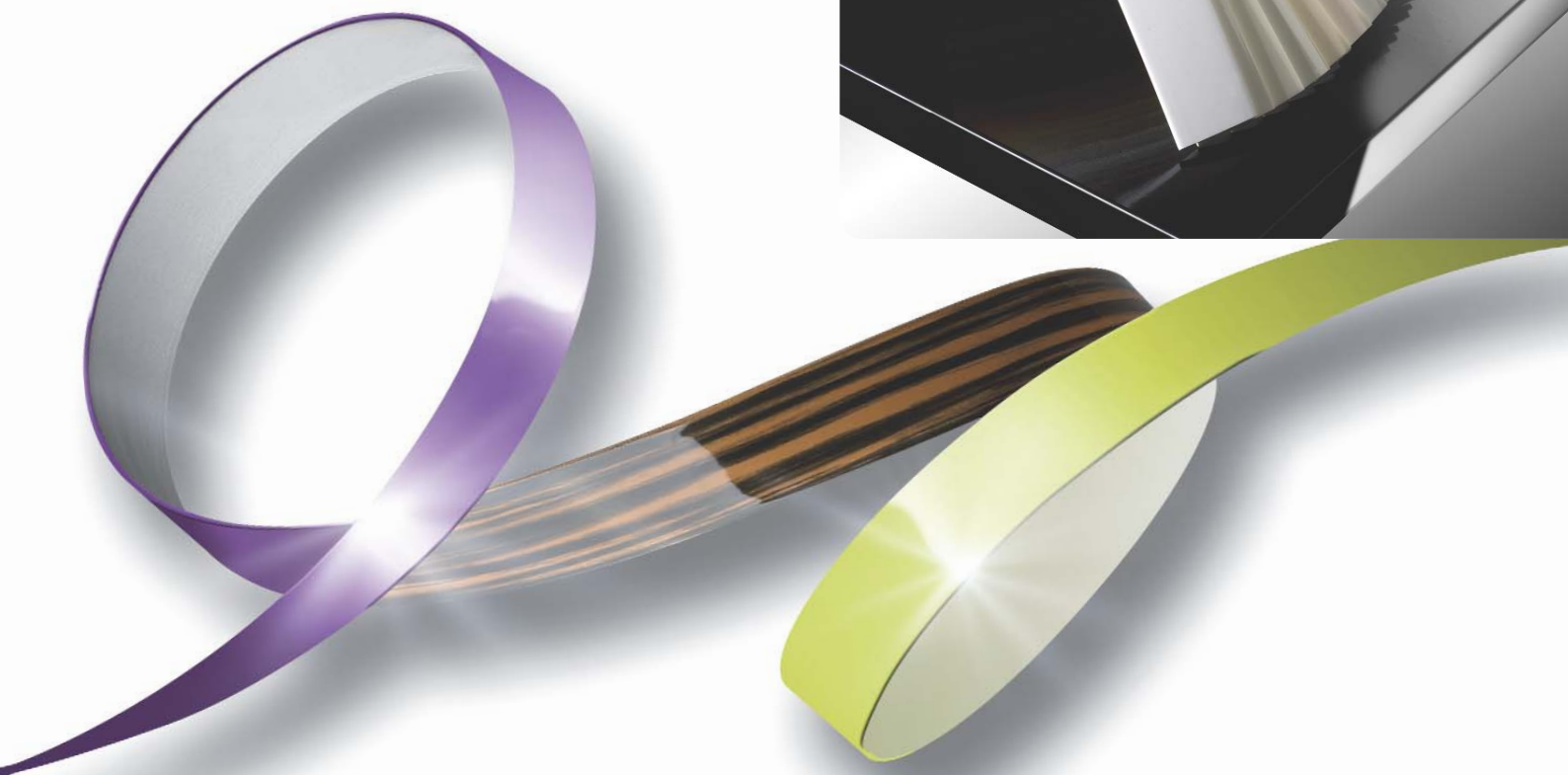
integrating itself into the design of a room. The acrylic material retains these advantages but production costs are simultaneously reduced due to its economy of processing. The Instant-Edging-Programme can now offer more than 40 variants of the 3D-2in1 edging for quick dispatch, starting from a single roll.



NEW! ABS HIGH GLOSS EDGING:

Economy High Gloss : Same quality - more economic solution

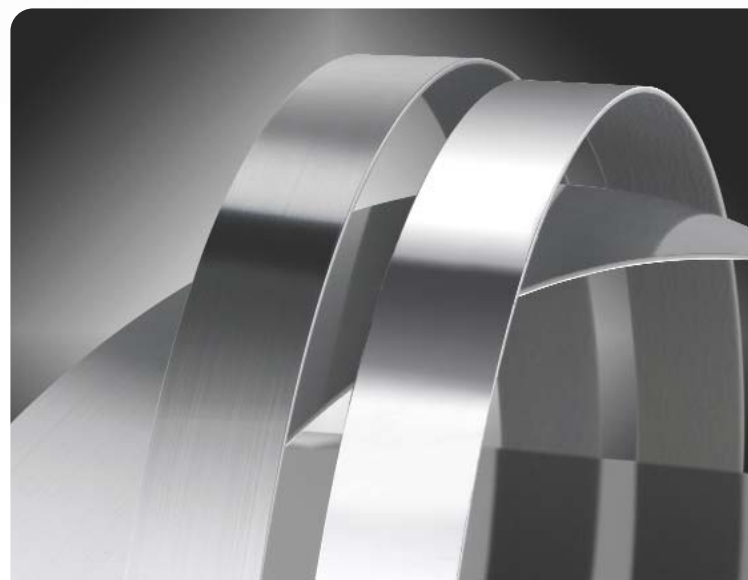
The trend towards high gloss furnishing is continuing. In this field, Döllken offers a high-grade final varnish coating in Premium high gloss (level 5 gloss) and Economy high gloss quality in numerous colours. Döllken's high gloss edgings lend a unique look to any piece of furniture. More than 70 high gloss colours and decors are now available ex stock (KSP) at short notice. As such, Döllken has the most comprehensive range of high gloss thermoplastic edging.



ABS DECORS:

Diversity is our programme

Döllken decor edgings offer furniture designers virtually unlimited design options. Be it wood, stone, metallic or fantasy decors, whether traditional or progressive, discreet or provocative, the stylistic diversity always inspires new ideas. Using Döllken's highly accurate printing technology, the variety of decor images which can be perfectly applied to the edging is unlimited. With its novel ideas on design, Döllken furthermore continues to present the industry with decisive creative impulses. As such, you will for instance find our DC 527H "metal edgings" with stainless steel foil and our DC 19K0 with mirror finish surface in our KSP range.



THE PERFECT MATCH LIST:

Cooperation with added value

Perfect Match

All surface trends perfectly matched.

Döllken cooperates closely with leading manufacturers of boards and surfaces worldwide. Trends can thus be transferred to the edging quickly, ensuring that the matching of edge and board decor is perfect in all respects.

Early in 2011, Döllken introduced a fully revised range of in-stock decor edging, matching international board manufacturers. Glunz AG simultaneously introduced the first global decor collection in company history. With its INNOVUS range of products, Glunz is introducing a fully redefined, high quality design concept on the market. The collection offers commercial customers a selection of boards rich in colour and decor, attuned to international trends and to market demands. The boards are available ex stock - quickly and in small batches.

In order to include the plastic edging in this programme, the edging specialist Döllken was chosen as a partner. Döllken is represented worldwide and offers finishes accurately matched and in top product quality.

Short delivery times are central to Döllken's philosophy. Thanks to its European warehouse locations in Spain, France, Italy, Poland, Russia, Turkey and its headquarters in Germany, all colours and decors to match the INNOVUS collection can be delivered at short notice, from as little as a single roll.

Döllken has historically always maintained close relations with surface manufacturers. As such, edging collections were in the past developed for and in cooperation with Wilsonart, Formica, Abet, Pfeleiderer and many others.



innovus
a new way to create



Ein Unternehmen der Gruppe
**SONAE
INDUSTRIA**

DÖLLKEN