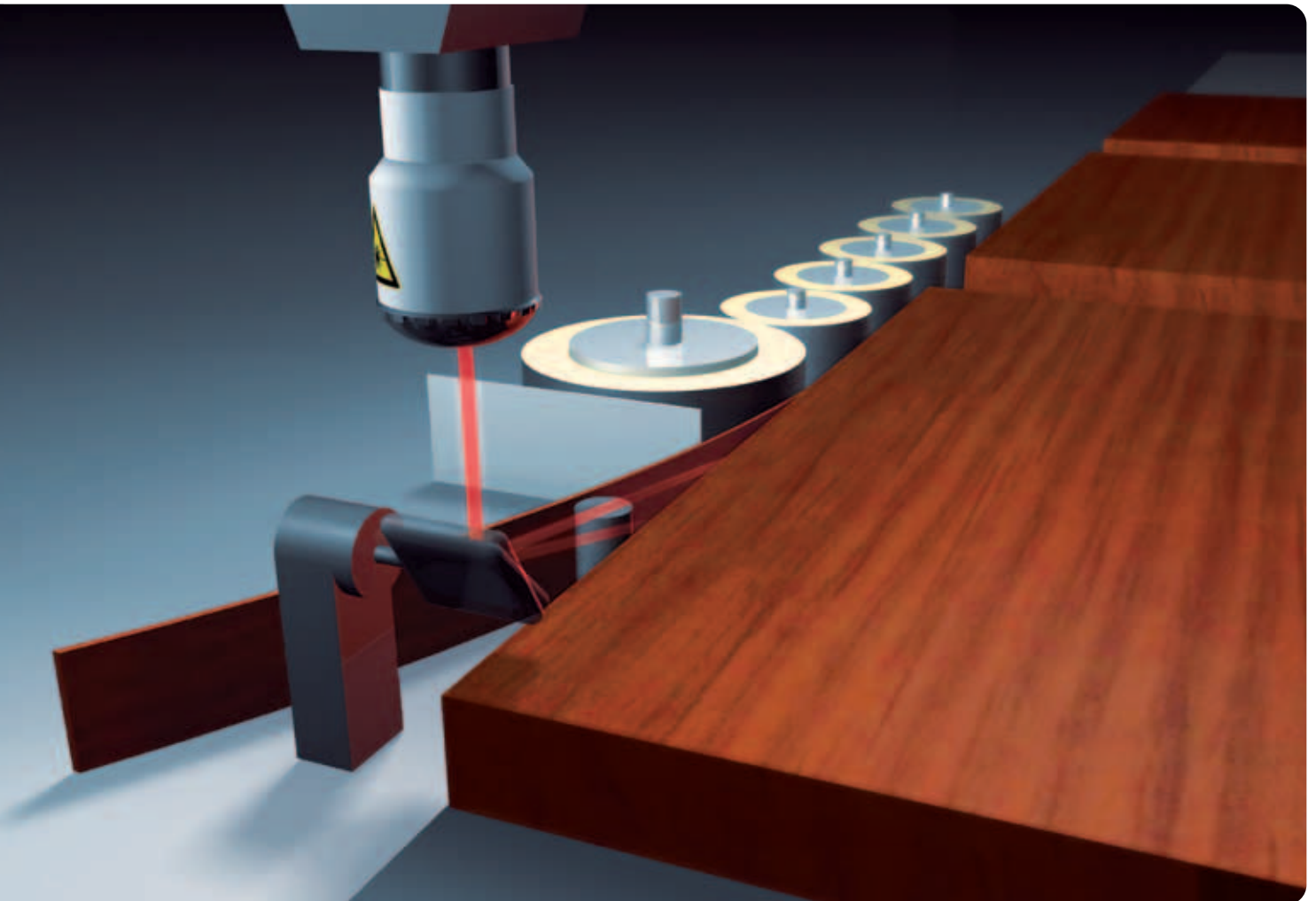


KANTENnews

Edition 18



Fusion-Edge: Döllken lasers the edgeband to the board | **Digital-Edge:** We print your edge | **Instant Edging Programme (KSP):** Döllken's KSP edging variety ex stock | **3D-Premium-Gloss-2in1:** At Döllken, glass comes by the roll | **3D-Premium-Natural:** Acrylic comes alive | **Metal edging:** All that glistens is not gold | **High-gloss edgings:** Shining like new | **Thin-edge stock programme:** Döllken thin edging adding value | **Folding-Edge:** Profiling of the plastic edging | **Döllken embossing diversity:** A surface - natural to the touch | **Lightning-Edge:** Döllken's luminous edge

DÖLLKEN

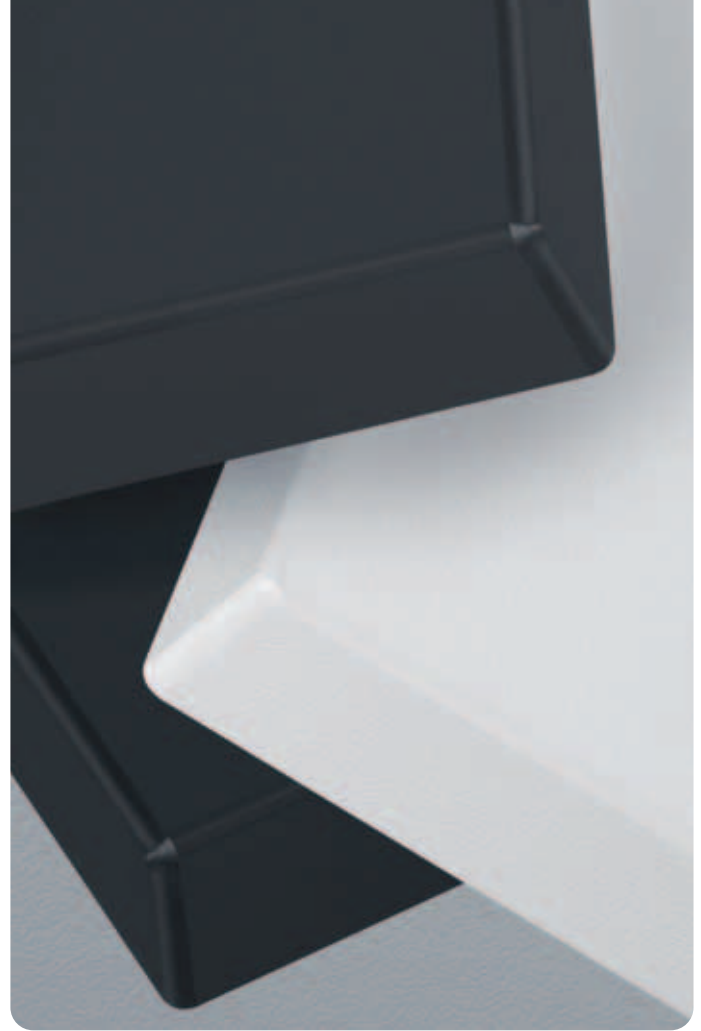
A SURTECO COMPANY

FUSION-EDGE:

*Döllken lasers the
edgeband to the board*

f u s i o n

Honoured with the M-Technology Award 2008 and the Fusion-Edge nomination for the BRD 2009 Design prize, Döllken is now ready for series production of the Fusion-Edge. Gluelines between edgeband and board are thus now something of the past. Based on the laser jointing process, Döllken developed the Fusion-Edge for glueline free narrow surface coating - with no hot melt adhesive required. No adjustment is therefore required on the machine for adhesive application. Adhesive stocks are unnecessary and costs of setting up fall away. Possible through co-extrusion of a two-layer edgeband: A 0.6 to 3 mm thick ABS or PP base layer, in the decor of your choice, and a thin, integrated functional layer consisting of polymers and constituting the edgeband's adhesive layer. It is coloured throughout in the same tone as the top layer. The functional layer is applied to the panel using a high performance laser and bonds to the board during processing via an invisible adhesion joint. This revolutionary new technology has won over many customers already. Compared to conventional gluing, joint tightness and water and moisture resistance are better, thanks to the union of edgeband and board.



- *Perfect looks*
- *No gap between edgeband and board*
- *Additional hot melt adhesive no longer required*
- *Increased production safety and productivity*

DIGITAL-EDGE:

We print your edge

d i g

Just imagine you could freely select an inexpensive fantasy motif for your individual piece of furniture - in small batch sizes and with a short delivery time. Döllken can offer you this and can print any motif of your choice onto your edgeband, using our trendsetting digital printing technology. Utilising this newly developed technology, it is now possible for the first time to also apply photo-realistic themes to edgebands and to print on coloured edgebands using the full colour spectrum. Conventional systems can only print on white substrates, with unsatisfactory results to the users.



The customer has a say in the decor design and print rollers are no longer required for decors. As such, small batch sizes can now be economically produced, offering designers and architects the necessary tools for modern designs. Quick colour adjustments are also now possible, enabling fast introduction of new products into the market. Contrast edgings are suited for shopfittings or individual furniture items.

- *Smallest batch sizes*
- *Unlimited variety of fantasy decors*
- *Unusual contrast edgings*

d g e

editorial

Innovation powered by Döllken

This is the motto of this year's ZOW in Bad Salzuflen. Döllken, as the leading manufacturer worldwide, once again sets the standards for design and further processing of thermo-plastic edgebands.

Fusion-Edge: Döllken was the first manufacturer of edgebands to present prototypes of laser welded furniture items - as far back as the ZOW 2008. Our engineers have implemented the patented technology for all edgeband materials (PP, ABS and 3D) in series production.

Digital printing technology: The prototypes introduced at the Interzum are ready for practical implementation today. Using state of the art printing technology, Döllken decorates edgebands with photo-realistic themes.

3D edgeband: As the inventor of the authentic highly lightfast acrylic glass 3D edgeband for the modern cabinet making industry, Döllken continues to come up with astounding detail solutions. Original is best.

The essence lies in the mix - the perfect blend of innovation, service and quality. We invest in innovation and in the future, as also reflected in our strategic goal: Focusing on the essential - on you, our customer.

Your Döllken Team

INSTANT EDGING PROGRAMME (KSP):

Döllken's KSP edging variety ex stock

Not all that long ago, a stockist would have been hard pressed to offer the craftsman plastic edging to match his board. There was no edgeband manufacturer with a well-devised stock solution to offer the trade. This situation led to the creation of Döllken's Instant Edging Programme (KSP) more than twelve years ago. Specially attuned to the typical requirements of the small scale craftsman, Döllken can offer suitable edging to the trade, at short notice and ex stock. Starting even with a single roll per colour / decor. Today, the Instant Edging Programme (KSP) is a must with all well-appointed edging dealers throughout Europe. The current decor pallet includes edgebands matching over 10 000 boards from more than 50 leading international manufacturers with no doubt more on the way. Since then we have constantly adjusted the range to satisfy developing market needs.

A significant success factor above all is the constantly maintained decor match, kept up to date to suit new board lines. Döllken therefore offers edgebands matching all the stock collections of leading board manufacturers worldwide. The Döllken KSP programme is constantly augmented with innovative edging plus colours and decors - so that these can also be delivered quickly and in small quantities.

- *Enormous decor collection matching over 10 000 board decors of leading international manufacturers*
- *Delivery directly ex stock in only 24 / 48 hours*
- *Available in many sizes in quantities from 1 roll only*
- *Edgebands made of high quality chlorine-free plastics (ABS and acrylic)*

3D-PREMIUM-GLOSS-2IN1:

At Döllken, glass comes on the roll

Although glass has been in use for thousands of years, it has never lost its fascination. On the contrary, glass is highly fashionable and imparts a unique effect on the furniture. The advantage glass has as a modern design element is that it accentuates whilst at the same time integrating itself into the design of a room. Real glass unfortunately only radiates value until it is scratched. It is also heavy, expensive, fragile and cold.

Are you ready for this compromise? Not us!

Our 3D-Premium-Gloss-2in1 edgeband is the clever alternative to real glass. The special advantages of glass are retained whilst the drawbacks disappear. Acrylic material makes this possible; the decor is applied to the back of the material to create a unique depth effect. With the 3D-2in1 edgeband, two colours, or decors, run in parallel. Plain colours are combined mainly with stainless steel, but also with wood decors. Finally, a special high gloss varnish is applied to the 3D-2in1 edgeband, eliminating the need for later polishing. The Instant Edging Programme (KSP) includes eleven Premium versions, 23 x 1.3 mm, in the classic glass colours, ready for quick dispatch. In addition, innumerable combinations can be produced on order, up to a width of 63 mm. But the 3D-2in1 edgeband has even more potential for innovative designs. It can, for instance, be used to simulate a wooden board.

- *11 x 3D-Premium-Gloss-2in1 directly ex stock*
- *Easy to process*
- *Safe to transport*



Döllken's 3D edgeband delivers more and creates natural surfaces with a lively surface feel. The special characteristic of the edgings is the innovative simultaneous varnishing and embossing of the acrylic material. This lends the structure a natural, velvety and woody character.

3D - PREMIUM - NATURAL:

Acrylic comes alive

More than 30 edgings, 23 x 1 mm, are available ex stock (KSP). As usual, all decor requirements can be produced, opening the way for unlimited diversity. Together, the decor matching laminates and the high-grade 3D edgeband are a perfect combination, no longer distinguishable from genuine wood veneer.

- *Natural surface feel*
- *Unique depth effect*
- *Perfect decor match*



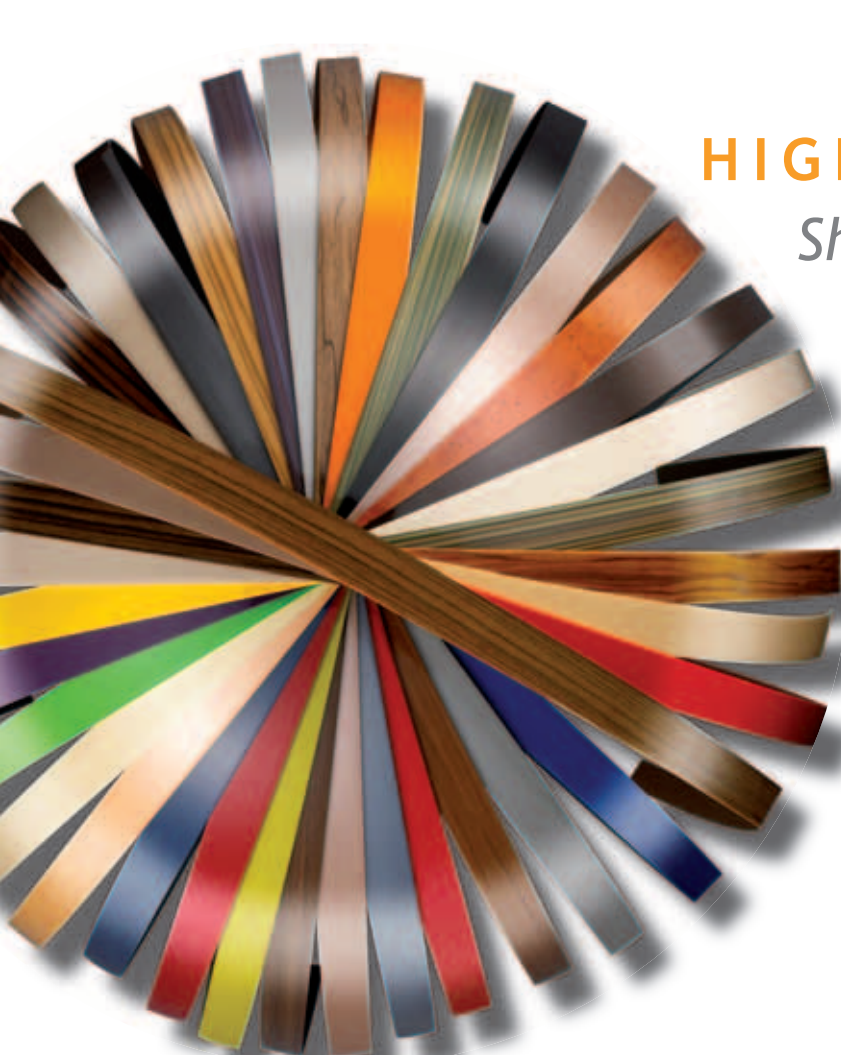
METAL EDGING:

All that glistens is not gold

Apart from the brushed metallic looks, the present day cabinet making industry increasingly produces glossy finishes. The new Döllken chrome foil edgeband convinces through its perfect mirror finish. Matching the accessories in the bathroom and living area, it lends the furniture even more quality. Its good performance and processing characteristics when compared to real aluminium edges also favour Döllken's foiled chrome edgeband. It is scratch resistant, easy to mill and safe to process under a protective foil. What's more - there is no crazing during BAZ processing. Single rolls from 175 m are available ex stock in sizes 23 x 1.3 and 45 x 1.3 mm (KSP) in the brushed metal and chrome look versions. In line with the trend, further varieties in shiny gold and stainless steel are planned soon.

- *Good scratch resistance*
- *Simple further processing with protective foil*
- *Better price-performance ratio than real aluminium*
- *Option of widths up to 260 mm*





HIGH-GLOSS EDGINGS:

Shining like new

high-gloss

The high-gloss furniture trend is continuing. Döllken response is to offer many colours featuring the high gloss lacquers, creating an elegant mirror finish look. As such, Döllken's high-gloss edgings lend a unique look to each piece of furniture. The extensive Instant Edging Programme (KSP) expansions are focusing especially on the still trendy high-gloss colours.

More than 70 high-gloss colours and decors are available ex stock (KSP). Döllken thereby has the most comprehensive high-gloss programme of thermoplastic edgings. The high-gloss assortment ranges from standard colours such as white, grey and black via blue and red tones to jazzy trend colours like apple green, lilac, pink and yellow. Apart from the rainbow colours there are the classical wood decors of course, right up to exotics such as Makassar and Olive tree. The colours and decors are available in a range of dimensions in the Instant Edging Programme (KSP) and can be supplied in the smallest of batch sizes.

- More than 70 colours and decors directly available ex stock
- Highest glossiness created by a special UV varnish
- Practically all widths and thicknesses available made to order

THIN-EDGE STOCK PROGRAMME:

Döllken thin edging creates added value

thin-edge

Plastic edging is becoming increasingly popular worldwide. The thin edging sector thus also increasingly applies high grade plastic versions. A trend which will continue, driven by demands for increased quality. To meet these demands also when dealing with small quantities and short delivery times, Döllken has extended its range with a new stock concept, designed especially for customers for thin edging. Döllken's thin edging convinces, especially with its top quality. The flexible properties of the plastic material exhibit high impact strength. As such, Döllken edgebands clearly offer high protection against damage such as chipping on furniture – during production as well as in transportation or later use.

More than 100 different colours and decors in the stock programme sport this quality advantage. The selection is based on the most popular international finishes. Based on the orientation towards geographically varying markets, Döllken continues to bet on ABS material, which is set to increase in significance in the edging business. In particular, quick availability makes the new thin edging stock concept special: With a minimum order total of 20 000 m, the colours and decors can be easily combined - with as little as 1 000 m in any finish in the 22 x 0.4 mm size - and that at short notice.

- Quality edging from 0.4 mm
- Extensive stock programme
- International decor matching
- Jumbo rolls (300 x 0.4 mm)
- Individual widths possible

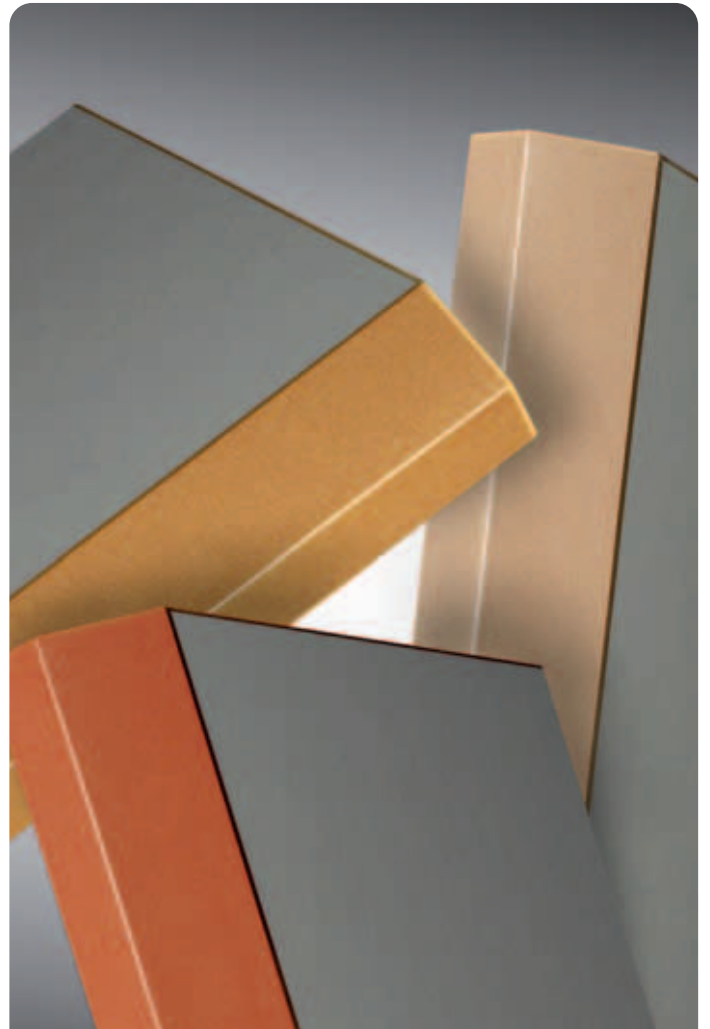


FOLDING-EDGE:

Profiling of the plastic edging

Döllken also folds thermoplastic plastic edging. To date, only paper edgebands or specially extruded profiles could be used for edging of bevelled surfaces. With the Folding-Edge, it is now possible to use high-quality plastic edging also, since this has been made virtually foldable. A V-groove is notched into any required position on the back, to enable the edging to be folded to the inside or outside, as required. Different angles and looks can thus be achieved. Handle-less fronts in the kitchen are one Folding-Edge application, for instance. The upper bevelled side is edged with the Folding-Edge to create a recess for gripping and opening the front. The edge is rendered grip-friendly by creating a radius. The other three straight sides of the front door can also be closed using decor-matching plastic edging to create a uniform look all-round. The major disadvantage to date of profiles used for such folding applications is that they are extruded pre-folded and can thus be supplied only in straight lengths. The Folding-Edge developed by Döllken, on the other hand, can be applied on site, straight off the roll. This offers significant advantages in terms of handling and application.

- Reliable profiling of narrow surfaces
- Folding profiles supplied off the roll
- Folding possible to both side



DÖLLKEN EMBOSSING DIVERSITY:

A surface - natural to the touch

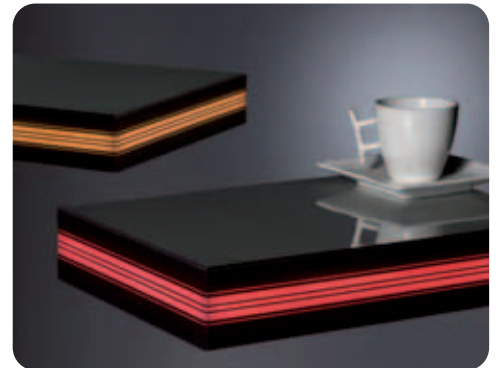
The Döllken edgebands distinguish themselves not only due to them perfectly matching the decor of the board, but by matching its surface texture. This lends a natural feel to the edgebands. Döllken offers a large variety of embossings to liven up your furniture. Embossing finishes range from mini-pearl to wood pore and to concrete. The crushed stone and matrix embossings are particularly innovative, lending the furniture a natural appearance through the interaction of glossy and matt structures.

- *More than 20 different embossing surfaces*
- *Unique surface feel through innovative embossing varieties*
- *Fine and rough embossings to suit individual needs*

Indirect lighting lends a certain cosy appeal to any living room. To date, this has only been possible with additional lighting, which often takes away space. The Lighting-Edge developed by Döllken provides furniture with an electroluminescent 3D edge, showing the furniture as a luminous integral part of the room.

LIGHTNING-EDGE: *Döllken's luminous edge*

The Lightning-Edge has applications whenever ambiance, light or safety is of concern, such as in the design of living room, kitchen, shop or office furniture. To make the edges glow, we sandwich a layer of electroluminescent material between two electrically conducting layers, one of which must be transparent. This layer begins to shine as soon as a voltage is applied. As opposed to the incandescent bulb, this luminescence is associated with negligible heat. The electroluminescent material also has a high expected service life of about 10 000 hours.



Apart from the classic straight finish, the EL edgebands can also be processed on machining centres, enabling limitless designs. The edgebands can be produced in many colours and can, on request, feature built-in luminescence, either constant or flashing at different frequencies.

- *Diverse application possibilities*
- *No additional space required*
- *Very long service life*

DÖLLKEN