



## A.V.E.C. - „The Curve“ a radius innovation

**Perfect for applications at the limit: the new, highly flexible thick veneer edging from A.V.E.C.**

„The Curve“ is a multi-layered thick veneer edging so flexible that it opens up new dimensions in the processing around tight radii.

It differs from conventional thick veneer edgings by way of its special setup. This feature enables a processor to run a thick veneer edging around even the tightest radii (e.g. radius 20) in just one pass on a processing centre. This ensures significant time savings and is thus also clearly beneficial in terms of economy and efficiency.

In summary: „The Curve“ unfolds its special qualities when it comes to cover edges of workpieces with small radii on processing centres. This is what makes this thick veneer edging so attractive for the demanding user.

More information is available on request.

### Dimensions

Roll length:	50lm/100lm (other roll lengths upon request)
Wood species:	Oak (other wood species upon request)
Thickness:	approx. 1,3mm (3-layer), other thicknesses upon request
Lamination:	PVAc-glue (Polyvinyl acetat)
Width:	upon request

### Processing

For applications at the limit this thick veneer edging can be processed around even the tightest radii (e.g. radius 20). It can be used on standard processing centres with hotmelt or dispersion adhesives. Please observe the instruction manual of you machine and the material safety and data sheet of your glue supplier.

### Storage

The edgings should be stored horizontal. Ideal conditions are approx. 20°C and a relative humidity between 50% and 60%. Under this condition the moisture content of the edgings should establish at ~ 10%.  
**A climate-controlled storage is essential to preserve the flexible properties of the edging.**



## A.V.E.C. - Real wood veneer edging upgrading plastic surfaces

**How can you visually enhance plastic surfaces through the targeted use of real wood veneer edging?  
A.V.E.C. has the solution.**

Veneer and thick veneer edgings from A.V.E.C. are ideally suited as accents to create attractive contrasts to plastic surfaces. The use of the narrow surface as a design element gives the top a new value.

It gives the workpiece the look and feel of real wood that emphasizes the naturalness of real wood and makes the overall impression noticeably more natural and striking. A.V.E.C. offers design elements for almost everything:

- thin and thick veneer edging
- 3D structured thin and thick veneer edging
- cross veneer edging
- end-grain edging

### What distinguishes real wood veneer edgings from A.V.E.C.?

- diverse design options
- appealing natural color accents
- optical enhancement of plastic surfaces
- also available with a **lacquered finish**

More information is available on request.



## A.V.E.C. - End-grain edging high-quality look

**End-grain edgings are similar in appearance to a wood trunk cut transversely to the longitudinal axis with its annual rings.**

The annual rings are visible as circles or segments of a circle. End-grain edging creates the classic board look, as we know it from real sawn timber. The surfaces are more resilient to pressure than surfaces cut parallel to the fibres (longitudinal wooden surfaces).

End-grain edgings from A.V.E.C. are available in different types of wood and thicknesses.

**Thickness:** approx. 1.2 mm (structure 2-ply)

**Surface:** sanded

**Slat width:** variable, from 45 to 150 mm

**Widths:** 18 to 200 mm

**Roll length:** 50 / 100 m

### What are the characteristics of end-grain edgings?

- natural look
- high-quality edging look
- higher pressure resistance

More information is available on request.





## A.V.E.C. - Cross veneer edging setting strong accents

### Cross veneer edgings impress with their veneer structure.

It does not run lengthways - as is the case with conventional veneer edging - but, as the name suggests, transversely to the direction in which the edging runs or is processed. This creates a look on the workpiece that immediately catches the eye. The edging is effectively used as a design element.

A.V.E.C. offers cross veneer edgings in many wood species, according to customer requirements. Cross veneer edgings are available in different thicknesses:

- approx. 0.5 mm (1 ply)
- approx. 0.8/0.9 mm (2 ply)

Other thicknesses are available on request.

### What are the characteristics of cross veneer edgings?

- eye-catching look
- edging area is used as an impressive design element

More information is available on request.



## A.V.E.C. - „CroCo“ from vintage to rustic

**Modern design effects through the combination of naturalness, structure and three-dimensionality.  
A.V.E.C. has the right ideas.**

A striking example is the “CroCo-Look”.

This structure is based on the look of antique crocodile skin. Any type of veneer can be accentuated and refined. The design options can be further expanded through the targeted use of staining and painting. For example, by coloring the pores in white, the impression of a vintage or shabby surface can be clearly underlined.

By using this structure, the sense of touch and visually perceptible accents are set on the workpiece, which underline the naturalness and feel of real wood. Even very simple types of wood are significantly visually enhanced.

### **What is so special about the „CroCo-Look“?**

- appearance of crocodile skin
- individual design options
- gives even simple types of wood attractive design effects

More information is available on request.



## A.V.E.C. - „CroCo Nero“ captivated in true beauty

**The desire for naturalness that can be the look and feel experience, for structure and three-dimensionality, is becoming more and more prevalent. A.V.E.C. has the solution.**

Whether as veneer and thick veneer edging or as a highly flexible wrapping veneer, the 3D structured surfaces from A.V.E.C. set elegant accents on the workpiece and the visual perception of the veneer is noticeably expanded.

This also allows modern design ideas to be optimally staged, such as with our 3D structure “CroCo-Nero.” This structure creates the impression of a burned wooden surface, such as that created by light charring.

The CroCo Nero look can be used ideally as an accent in connection with surfaces made of commercially available veneers or plastic surfaces. This creates an edge look on the workpiece with an expressive surface very close to the look of burned wood.

By coloring the pores in white, the look is accentuated and can thus be used effectively as a design element.

### What are the special features of CroCo Nero?

- the appearance of burned wood
- tangible design effects
- white pores create attractive color contrasts

More information is available on request.



„Rough-cut“ structure



„Wormhole“ structure



„Wave“ structure



„Sandblast“ structure

## A.V.E.C. - „Pure Nature“ structures design accents for individualists

**The demand for natural, tangible, three-dimensional structures is great:  
The 3D structured surfaces from A.V.E.C. provide contemporary answers.**

Whether as veneer and thick veneer edging, or as a highly flexible wrapping veneer, the application is versatile. The workpiece is enriched with accents and the visual perception of the veneer is noticeably expanded. „Pure nature“ - is the keyword for the various structures:

- **„Rough-cut“ structure**

This structure creates the impression of an unprocessed surface of solid wood, for example as it appears when cutting with log band saws or mill saws. Ideally the rough sawn look edge can be used in conjunction with surfaces made of commercially available rough sawn veneers.

- **„Wave“ structure**

By aligning the waves across the grain of the wood, this structure can create an interesting contrast to the natural play of colors in any type of wood. Even very simple species of wood are given an interesting, stylish upgrade with 3D structuring.

- **„Wormhole“ structure**

This structure is based on the look of antique solid wood beams. In contrast to real insect infestation, however, this look does not have any technical impairments. In combination with the natural grain of the wood, the result is an intriguing overall appearance.

- **„Sandblast“ structure**

This structure corresponds to the surface of rustic solid wood beams and, depending on the type of wood, can also be used as an alternative to sandblasted surfaces. In addition, the split wood look can be combined very well with the rough cut or wormhole looks. Amazingly authentic results are achieved.

More information is available on request.





## A.V.E.C. - Thick veneer in fixed sizes the perfect replacement for solid wood

**Thick veneer in fixed sizes from A.V.E.C. offers considerable advantages compared to solid wooden strips:**

- consistent color and structure – meets the highest quality standards
- excellent processing properties
- multilayer construction

**Dimensions:**

- multilayer construction in thicknesses from 1 to 60 mm
- lengths up to 3,100 mm without finger joints in the top layer
- other dimensions on request

**Standard finish:**

- sanded surface – saves time-consuming post-processing
- rough backside ensures the highest level of adhesion and quality when gluing
- further finishes available on request

**Important processing information:**

Rapid temperatur/climate changes can lead to tension, cracks and changes in dimension. Pre-conditioning before processing is therefore essential.

**The product advantages of thick veneer in fixed sizes**

- no longitudinal tears when milling
- minimal warping, twisting or buckling of the edges due to the multilayer construction
- low to minimal variation in thickness due to surface and backside sanding

More information is available on request.





## A.V.E.C. - Thick veneer edging multilayered, safe, flexible

**A.V.E.C. offers multilayered, continuous, thick veneer edging in rolls.**

For this purpose, veneers are glued in several layers in high-performance presses, up to a thickness of 5 mm, to form continuous rolls. The multilayer construction with galvanized middle layers ensures the highest possible flexibility. All of the continuous thick veneer edgings from A.V.E.C. are, without exception, glued with **PVAc white glue**. This guarantees excellent properties in terms of flexibility and millability.

The sanded surface saves time-consuming post-treatment during processing. The rough back side ensures the highest level of adhesion and quality when gluing. Further finishes are available on request.

Multilayer **thick veneer fixed sizes** in strips are produced in **thicknesses of up to 60 mm** (see **thick veneer in fixed sizes**).

### What are the characteristics of our continuous thick veneer?

- multilayered up to 5 mm thickness
- gluing with PVAc white glue
- high flexibility and excellent processing properties

More information is available on request.



## A.V.E.C. - Thin veneer and industrial veneer edging the classic

**Thin veneer edging from A.V.E.C. is available in a wide range of products with many different refinements.**

The standard refinements include hotmelt pre-coating or fleece-reinforced backing, each with a paintable sanded surface. The color of the backing fleece is matched to the type of wood.

We always have many wood species in stock. In addition, veneers can upon request, be processed into edging on a contract basis. Thin veneer edgings are also available **pre-lacquered**, see **lacquered surfaces**.

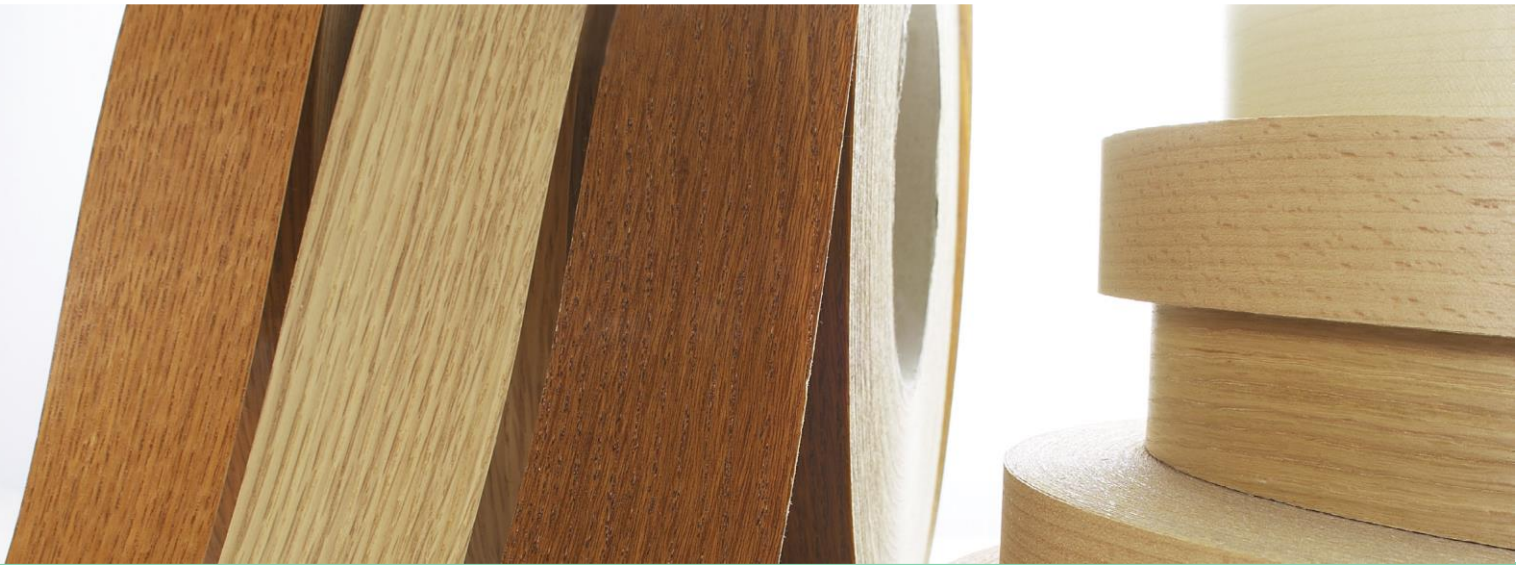
### **Industrial veneer edging**

We can deliver a large number of decors. Industrial veneer edging is characterized by its uniform structure, and is available in various thicknesses and with all common finishes.

### **What defines our range of thin veneer edging?**

- large product range
- more than 50 types of wood
- many finishing options

More information is available on request.



## A.V.E.C. - Lacquered surfaces always strike the right shade

**Lacquered veneer edgings are produced exactly according to color and gloss level samples.**

We are using modern and high-performance finishing systems with environmentally friendly lacquering systems. Finished veneer edges offer many advantages in terms of ease of processing, such as efficient production and the improvement of your VOC output.

### **Advantages of UV coating:**

- use in straight edge processing
- particularly suitable for fast industrial edge processing, as the edge top coat is included on the workpiece
- appealing appearance due to a filled surface, even with coarse-pored types of wood
- clear, intensive emphasis on the natural wood color, no "concealment"
- high scratch and chemical resistance through the use of high quality UV varnishes
- excellent cost/performance ratio

The **fully glued finger joint** from A.V.E.C. is particularly recommended for veneer edging that is surface-ready. This fully glued joint connection has a number of advantages:

- no breaking of the joints
- higher tensile strength of the joints connection
- no penetration of paint or stain into the joints
- best possible preserved structure in the joint area

A.V.E.C. customer advisors are happy to provide advice on application technology, and on site consultation if required.





**avec**<sup>®</sup>  
american veneer  
edgebanding company



## A.V.E.C. - Wrapping veneers for demanding profiles with the smallest radii

**Wrapping veneers from A.V.E.C. are specially tailored to your individual requirements.**

They are sanded with reinforced backs to small residual wood thicknesses. This enables the machining of complicated profiles with the smallest radii. In close consultation with you, products are manufactured that are characterized by different fleece thicknesses and glues. When calibrated, the result is an extremely flexible material that can be processed optimally.

Hydro lacquering systems have been developed for the coating area. A.V.E.C. uses the most modern and high-performance finishing systems with environmentally friendly lacquering systems exactly according to your color and gloss level samples. Veneer edgings with finished surfaces are much easier to process and enable efficient production as well as a noticeable improvement in your VOC output.

### **The advantages of hydro painting:**

- use for flexible edge processing and profile wrapping
- for use with complex profiles with the smallest radii
- appealing appearance due to a filled surface, even with coarse-pored types of wood
- clear, intensive emphasis on the natural wood color, no "concealment"
- high scratch and chemical resistance through the use of high quality UV varnishes
- excellent cost/performance ratio

The **fully glued finger joint** from A.V.E.C. is particularly recommended for wrapping veneers. This fully glued connection offers the processor numerous advantages:

- no breaking of the joints
- higher tensile strength of the joints connection
- no penetration of paint or stain into the joints
- best possible preserved structure in the joint area

A.V.E.C. customer representatives are happy to provide advice on application technology, and on site consultation if required.





## A.V.E.C. - PUR lamination for applications in speciality areas

### Innovative system with the most current PUR technology.

Specific characteristics: In addition to the established fleece lamination, this process also enables new material composite systems. The most important areas of application here are profile wrapping and edge banding.

The new flexibility extends the range of applications considerably. These include, for example:

- kitchen and bathroom furniture
- motorhome, caravan trailer and automobile interiors
- windows and doors
- conservatories
- ship and boat interior work
- sauna construction
- clinics

### What are the advantages of PUR lamination?

- excellent water resistance
- best wrapping flexibility
- high temperature resistance
- good cold flexibility
- highest bond strength
- good chemical resistance

More information is available on request.



traditional joint

fully glued fingerjoint

## A.V.E.C. - Fully glued fingerjoint the almost invisible joint

- Joints do not gape open on tight radii
- The tensile strength of the joint is enhanced considerably especially for the wrapping process
- Stain and lacquer no longer penetrate deeply into the joint which provides a smoother surface and a uniform color
- New Joint blends much better with most veneer patterns

Technical advantages in different applications:



pre-finished



stained



softforming and wrapping