

STEEL BELTS FOR THE LAMINATE INDUSTRY



YOUR SOLUTION FOR THE LAMINATE INDUSTRY

ROBUST, LONG-LASTING & NATURAL

Offering the perfect alternative to real wood, laminates are now more appreciated than ever before. Keeping up with the latest design trends and meeting the specific needs of the consumer requires not only a comprehensive selection of decors but also steel belt textures that match this broad selection. The harmonious blend of décor paper and tactile properties elevates the quality of the product to an even higher level than before. The Berndorf Band Group has been analyzing the ever-increasing requirements of society for years, devoting tremendous resources to the advancement of their design and technology. Consistent efforts in research and development, along with close cooperation with leading manufacturers in the wood working industry, have enabled us to implement designs on endless Steel Belts with an even more visually natural surface effect.



HIGH-QUALITY TEXTURES THANKS TO EMBOSSING IN REGISTER TEXTURES

Creating products that mimic nature is increasingly important in the laminate industry. The registered embossing process not only gives laminate floors the appearance of real wood or stone but also replicates their texture. This results in floor coverings with wood decors that are nearly indistinguishable from the original materials.

A precise manufacturing process is used to produce raw Steel Belts, forming the basis of a continuous production process that creates synchronous surface textures. Advanced digital printing and etching technology ensures repeatability, providing consistent embossing results and allowing for the incorporation of customer-specific designs.



INNOVATIONS AT A GLANCE

2016

The world's only manufacturer of textured Steel Belts

2017–2018

Acquisition of two new state-of-the-art digital printers

2019

Sale of the first sync pore Steel Belt with a 250 µm depth and strongly rounded structure

2020

Development of the matt-effect-technology **GlossNite®**

2021

Commissioning of the brandnew separate laboratory plate production

2024

First delivery of a Steel Belt with multigloss effect

ADVANTAGES



MANUFACTURE OF HIGHLY SOPHISTICATED, CUSTOMIZED TEXTURED DESIGNS



CONSISTENT REPRODUCTION QUALITY OF INDIVIDUAL TEXTURES



OUTSTANDING ECONOMY WHEN COMPARED TO PRESS PLATES & RELEASE PAPER



EXTENSIVE SELECTION OF SURFACE TEXTURES FOR EMBOSSING IN REGISTER PRODUCTS

MULTIGLOSS SURFACE TECHNOLOGY: ILUMINA® & GLOSSNITE®

In addition to the use of embossing in register textures, Berndorf Band Group also offers exclusive gloss or matt effect variants for continuous press Steel Belts.

This development makes us the only manufacturer in the world that can offer customers a diverse selection of surface textures with a natural 3D effect for continuous Steel Belt productions. According to customer requirements, the laminate can be individually enhanced by the use of **Ilumina®** and **GlossNite®**.



- ✓ **DEEP EFFECT OF THE PRODUCT**
with more natural reproduction, such as real wood
- ✓ **ENHANCEMENT OF THE FINAL PRODUCT**
through embossing in register textures
- ✓ **EXTENDED GLOSS RANGE**
from 8 - 400 gloss points (measured on the Steel Belt surface)
- ✓ **UP TO 4 DISTINCT GLOSS AREAS**
available on textured and smooth surfaces
- ✓ **COMPATIBLE TECHNOLOGY**
for the design realization on
press plates and continuous Steel Belts



HIGHLY DETAILED OPTICS DUE TO STRONG ROUNDING

In recent years, the Berndorf Band Group has made substantial investments in the development of rounding technologies for textured Steel Belts. This cutting-edge technology enables laminate flooring to incorporate an additional layer of texture, featuring handscraped optical and sensory qualities during production. The outcome is a superior replica of real wood that offers a warmer tactile experience and rustic details.

- ✓ **HANDSCRAPED OPTIC**
for a natural look
- ✓ **HAPTIC & VISUAL ENHANCEMENT**
of the laminate flooring
- ✓ **SUITABLE FOR A VARIETY OF TEXTURES**
such as rustic woods and washed out stone



TIME-TO-MARKET PRODUCTION OF LABORATORY PLATES

Our Berndorf experts consistently transform customer-specific design requests into reality. With the investment in a dedicated digital laboratory plate production line in Berndorf (AT), we can showcase textures that match the quality of the final Steel Belt in advance.

Initial designs on laboratory plates are prepared in a very short time and presented to customers promptly. This significant reduction in the development period establishes new industry standards and enables a faster time-to-market for the final product.

Upon approval of the design proposal, an accurate reproduction is created. The high-quality texture of the laboratory plate is seamlessly transferred to the continuous endless press Steel Belt during production.

Thanks to the continuous development of state-of-the-art production processes at Berndorf Band Group, customers can rely on the highest quality and unique optical characteristics of their Steel Belt.



SIGNIFICANT
REDUCTION OF
TIME-TO-MARKET



SCIENTIFIC
EXPERTISE TO
DEVELOP UNIQUE
PRODUCTS
TAILORED TO
CUSTOMER NEEDS



FLEXIBILITY IN
CUSTOMIZING
SPECIFIC DESIGNS



OUR WORLDWIDE SALES AND SERVICE NETWORK

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