



KLEIBERIT®

ADHESIVES • COATINGS

KLEIBERIT HotCoating®

Premium Quality Surfaces



«Super Matte to Piano Finish»

Competence **PUR**

KLEIBERIT HotCoating® – Premium Quality

HotCoating High Gloss

Premium quality high gloss panel finishing

With the KLEIBERIT HotCoating® technology, even standard melamine coated panels can easily be finished with a high quality, high gloss surface. The key is the good adhesion of HotCoating to melamine surfaces and smoothing of the surface with the KLEIBERIT HotCoating® process. Panels can be taken from the shelf as they are. Complex sanding processes or pre-treatments are not necessary. Even texturing melamine surfaces (e.g. mini pearl) is not an issue in the HotCoating process. In comparison to other processes,



the resulting high gloss surface is in the high end sector in regards to gloss, surface smoothness and depth effect.

- Use of cost effective, direct coated panels with a wide variety of designs
- HotCoating offers excellent adhesion to melamine
- Structured surfaces with spatula effect
- Impressive depth effect
- Highest gloss level
- Very good micro-scratch resistance
- Smooth surfaces
- Low cost per m²
- Extremely impressive mirror effect
- Reliable production concept

HotCoating Design Edge

Direct postforming of melamine panels with high quality HotCoating high gloss surfaces

Furniture and building component design especially requires a continuous form without a visible glue line between the surface and the edge. In the meantime the direct postforming process is optimized so that even the smallest radius is possible - as required for modern furniture design. KLEIBERIT adhesives especially developed for this process are ideal. Traditional high gloss surfaces often reach their limits in this application due to their thick, hard and brittle coat. It is extremely difficult to shape to a small radius without cracking. Due to



HotCoating's excellent flexibility, high quality, high gloss melamine surfaces can be shaped in the direct postforming process.

- Continuous look of surface and edge
- No glue line
- Brilliant high gloss and very good scratch resistance
- Small radius possible due to high flexibility of HotCoating
- Unlimited design variety - from solid colors to creative patterns in digital print
- Secure adhesion of HotCoating to melamine
- Excellent depth and mirror effect with relatively low coat weight



y Surfaces

HotCoating Super Matte

Naturally matte surfaces with a warm feel, texture and highest resistance

The trend towards naturally matte surfaces with a pleasant and warm feel follows examples taken from nature. Materials such as cork or wood exhibit these properties and offer noticeable pore structures. With the HotCoating super matte technology, surfaces can be created which possess exactly these properties and also perfectly protect the decorative layer with high abrasion, scratch and shock resistance. With the excimer technology which has been integrated in the HotCoating multifunction line, gloss levels can be switched from high



gloss (>90 GU) to super matte (<5 GU) at the push of a button. The highly flexible HotCoating film allows for interesting three dimensional textures with simple embossing calendar technology.

- Switch from super matte to high gloss at the push of a button
- Low gloss rates <5 GU
- Pleasant, warm and velvety feel
- Extremely good scratch resistance
- Resistant to fingerprints and shining
- Pleasant sound properties due to flexibility of HotCoating
- Highest abrasion and shock resistance (>AC5)
- Possibility for deep structuring of surface
- Ecological (no emissions from plasticizers or formaldehyde)

HotCoating Digital Print

Surface protection and printing base

The trend toward individualization in design and technology continues in industrial sectors such as interiors, furniture and flooring. Digital printing has therefore become a particularly attractive technology and more economically feasible over the years due to developments in print and ink technology. The KLEIBERIT HotCoating® technology offers an innovative alternative in various fields of application as a surface coating for flooring, furniture and building components and follows the philosophy of digital printing:



- 1.) Simple processing technology
- 2.) Quick individual adjustment for different requirements
 - Highly abrasion resistant surfaces >AC5 according to Laminate Flooring Norm EN 13329 (S42)
 - Unrivalled flexibility/shock resistance
 - Inline embossing of three dimensional structures

The very good adhesion properties of KLEIBERIT HotCoating® to wood based materials and ink allows it to be used as protective finishing or as a sealing base for printing.

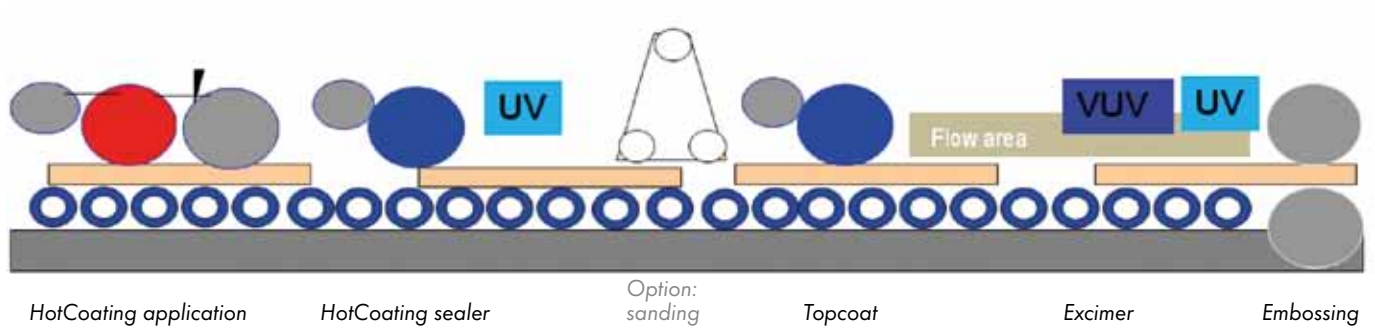
White HotCoating is applied as a smooth film with intelligent roller technology to wood based materials and therefore replaces complex, multi-layered base coat required at the respective drying zones and intermediate sanding.

- Very good coverage of white pigmented HotCoating
- Simplified processing technology without intermediate sanding and drying zones
- Very good adhesion and cohesion of HotCoating printing base

HotCoating Process

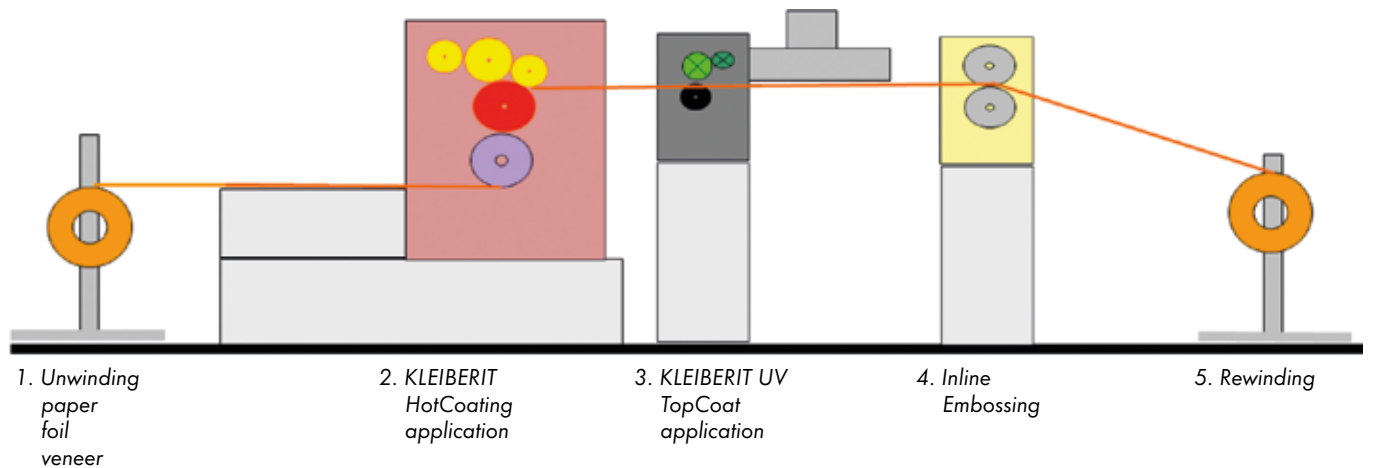
HotCoating line for panel materials

boards, furniture, flooring, doors



HotCoating line for roll materials

paper, foil, veneer



PUR HC 717.1	HotCoating	flexible, excellent universal adhesion, also to melamine surfaces
PUR HC 717.5	HotCoating	high abrasion resistance > AC5, extremely good shock resistance
PUR HC 9383/581	HotCoating Base	ideal print base: white coverage, water resistant, high cohesion strength
KLEIBERIT 654	Basecoat	good application properties, very good sanding, transparent or white pigmented
KLEIBERIT 659	Topcoat	very good flow properties, high scratch resistance, gloss level > 95 GU, transparent or white pigmented