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A top made with KLEIBERIT HotCoating Design Edge.

KLEIBERIT HotCoating Design Edge.

An increasing number of panel producers as well as furniture manufacturers and demanding interior contractors are switching to the KLEIBERIT HotCoating Technology. On the one hand especially for finishing melamine surfaces, on the other hand also in combination with digital printing technology. The unsurpassable adhesion of HotCoating to melamine surfaces is the precondition for utilizing the complete variety of designs and the price advantage of melamine coated panels and to finish these panels with an excellent surface in terms of high gloss, depth effect and scratch resistance.

Especially in the design of such furniture and building components, there is often a requirement for a seamless and consistent design between the surface and the edge. HotCoating Design Edge now offers the possibility to extend the highest quality HotCoating high gloss surface seamlessly to the edge of the substrate. HotCoating's excellent flexibility enables these finished melamine surfaces to be formed in the direct post-forming process.

In combination with digital printing, it is also possible for a completely unique design to „flow“ from the surface to the edge. Without any glue line or change in gloss level.

This provides processors of such panels with new dimensions and design possibilities in terms of seamless design of surface and edge. In the meantime, the established direct postforming process has been optimized so that even the smallest radius is possible, and the adhesive systems specially designed by KLEIBERIT are ideally suited for this. Classic high gloss surfaces quite often reach their limits – on the one hand because of the high coating thickness and on the other hand because of the structure which is often crystalline and hard making it almost impossible to form a small radius without cracking.

The HotCoating HighGloss process features the following combination of properties:

- Reliable adhesion to melamine
- Excellent mirror and depth effect with a comparably low layer thickness
- Extremely tough elastic and highly flexible property of the HotCoating layer
- Best micro-scratch resistance (steel wool type 0) with extremely good shock resistance

These properties are the conditions for also being able to process melamine panels, which have been finished with HotCoating HighGloss, in the direct post-forming process.

This opens up another dimension in regards to design possibilities in which curved components can also be produced with KLEIBERIT DesignEdge. The good properties of HotCoating enable the subsequent bending and production of lightweight components which can be used for example in caravan interiors.

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