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Southern Africa



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Competence PUR
zero joint application



EVA or PUR -
all types of glue can be processed
in cartridge or granule form



Intelligent Edgebanding



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No glue line, no problem

The thinner the glue line, the better. In fact, the complete elimination of a visible glue line has been the holy grail for the furniture industry for years now, and there have been a number of approaches toward achieving this elusive goal over the years, with varying degrees of success – or failure.

However, the fact is that classic hotmelts are based on ethylene vinyl acetate (EVA), polyolefin (APO), or polyamide (PA) for edge banding panel materials, and not one of them has been quite up to the task of eliminating those pesky glue lines that have the furniture manufacturers ever since the first edging was glued onto a piece of board.

While, during the edgebanding process (when done properly), it might have appeared that the glue line had been completely closed, it did not take too long for environmental factors such as dust, heat, moisture, exposure to household cleaners and the like, to cause the exposure of the glue line, even causing small joint openings, which would surely grow over time and continued exposure to the day to day environment, much to the chagrin of the industry.

The fact is that with the classic hotmelt materials, it is basically a given that over time and exposure to normal environmental conditions, the glue line will appear and become more and more pronounced, no matter how hard one tries to avoid it, especially when lighter adhesives and

panel materials were used in the production of the board. Some modern adhesives from the above mentioned categories are formulated specifically to avoid glue lines, and to some extent do, but only when processed under ideal conditions.

There are, of course, the rather more expensive laser bonding technologies available that go some way toward the dream of an invisible glue line, but not quite. While the laser technologies melt another pre-applied and colour matched plastic layer directly to the bond, and while there is no question that the glue line is more securely closed and hidden than with classic bonding methods, the use of thermoplastics (EVA Hotmelts) means that there will always be the 'rubber effect', which is still not quite what the industry wanted, even if it was significantly less pronounced than was the case with classic bonding methods.

So much for thermoplastics

So, is that elusive invisible glue line just a dream? Definitely not. The invisible glue line has been around for a long time.

Where, you ask? How? Well, the answer is of course, by using polyurethane (PUR), instead of the more traditional EVA hotmelts.

Reactive PUR Hotmelt KLEIBERT 707.9 is the standard when it comes to achieving a truly invisible glue line, that staunchly withstands even the worst environmental conditions that you can throw at it. It has been used for years and is trusted worldwide in workshops as well as by industrial users as the ultimate solution for those pesky glue lines and near perfect bonding quality.

Producers in this market segment have marketed their product at a premium and considers the invisible glue line as a true mark of quality. The so-called 'rubber effect' is a complete non-issue with KLEIBERT 707.9 as it is a reactive hotmelt which develops an extremely hard glue line.

When correctly processed, it is also extremely water resistant because it develops a chemical bond with the panel. The level of adhesion is so extreme that in most cases, the edging material wears out long before the KLEIBERT PUR Hotmelts, which maintains a strong, invisible bond.

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