

**TECHNICAL DATA: Liquilay® SF (scuff resistant)**

Effective date: 01/08/2008

Application:	Hardwearing and abrasion resistant lamination of wood based materials with a scuff resistant surface.
Characteristics:	High abrasion resistant duroplastic impregnated films on the basis of alpha cellulose papers and melamine resins with a single asymmetric coating of abrasion proof additives.
Product features:	<p>After the lamination the Liquilay®-products form a transparent, very hardwearing scuff and abrasion resistant surface, which brilliantly displays and protects the decorative surface below. The surface is equipped with a special scuff resistance so that scuffs in the final utilization and also in the subsequent processing or during transport can be considerably reduced.</p> <p>The surface feel of the final product is influenced by the manufacturing process so that the structure and also the gloss grade can be selected by the processor.</p>
Application examples:	Usually these end products are used in the laminate flooring industry, due to their hardwearing scuff and abrasion resistant surfaces. Depending on the type these conform to abrasion classes AC 1 up to AC 6 of the Laminate Norm (EN 13329).
Appearance:	Transparent film
Base paper weight:	20–40 g/m ²
Processing:	<p>Lamination of wood based materials by means of heat and pressure usually on short cycle presses. The processing normally takes place within a temperature range of 150 to 220 °C using press pads and hard-chromed or steel plates with pressing times of between 8 and 50 seconds and a pressure of 180 to 600 N/cm².</p> <p>In order to obtain decorative surfaces, specially impregnated printed decor films are placed under the Liquilay® before the lamination. With very dark colour shades a slight transparency loss may occur. The films can be processed without difficulty as our qualified technicians can adjust these to the individual processing requirements of a particular press.</p>
Delivery form/Measurements:	Cut sheet material – packed horizontally on pallets – in lengths of up to 6000 mm. Film widths of up to 2630 mm.
Packaging:	Roll and sheet material are packed in PE foil to protect these against moisture. Other and/or additional packaging methods are possible on request.
Storage stability:	Liquilay®-films normally have a shelf life of 8 weeks when stored in carefully sealed packing at a temperature of 25 °C. Later on faults in form of transparency defects, increased porosity and adhesion problems could occur. High static pressures, e.g. pallet stacks, could cause the sheets to stick together.
Comments:	These specifications are based on our present knowledge and experience. This does not exempt the processor from making their own tests. A binding legal assurance can not be assumed from the statements that we have given concerning certain characteristics or the suitability for a particular purpose. Possible trade property rights as well as current laws and regulations must be observed and are the responsibility of the user.