

## ADHESIVE SOLUTIONS FOR BOOKBINDING



### DO YOU PRODUCE BOOKS, MAGAZINES OR BROCHURES?

We offer a product range that fulfills the specific requirements of the bookbinding industry. Our reactive adhesive systems meet the highest standards for quality products in terms of processing properties, handling and quality. They are suitable for almost all standard application methods and are successfully used with the equipment of renowned manufacturers. Our bookbinding adhesives comply with the latest safety, health and environmental protection standards.

#### FIELDS OF APPLICATION

- Bookbinding spine gluing
- Bookbinding side gluing
- For adhesive binding of hard covers, paperback books and high quality brochures per machine

#### ADVANTAGES

Using PUR Hotmelt Adhesives for bookbinding has numerous advantages over conventional systems:

- Very high page strength
- High flexibility
- High temperature resistance from -40°C to +120°C
- Good resistance to ink solvents
- Good adhesion to difficult paper qualities and coated papers


#### ENERGY-SAVING - LOW-EMISSION - EFFICIENT

We offer classic bookbinding adhesives and a new generation of polyurethane-based hotmelts. Our E-Melt PUR hotmelt series can be processed at very low temperatures between 80°C and 100°C, for energy-saving manufacturing. The bonding properties of the E-Melt series products are equivalent to those of conventional PUR bookbinding adhesives.

Our micro-emission bookbinding hotmelt KLEIBERIT 712.3 contains less than 0.1% monomeric isocyanate, meaning it no longer needs to be labelled with hazard statements G + H. The bonding quality is nevertheless identical to conventional PUR bookbinding adhesives.



**KLEIBERIT PUR HOTMELT SYSTEMS**

Product	Viscosity at 120 °C [mPa·s]	Open time	Application method	Application	Paper type	End use
712.1	4,000	long	nozzle/roller	spine gluing	coated paper	high quality catalogues, brochures, books
712.3* 	4,000	medium	nozzle/roller	spine gluing	coated paper	high quality catalogues, brochures, books
712.4	4,000	short	nozzle/roller	spine gluing	coated paper	high quality catalogues, brochures, books
712.5	4,000	long	nozzle/roller	spine gluing	-	high quality catalogues, brochures, books
712.6 e-Melt low temperature PUR	5,000 at 100°C	short	nozzle	spine gluing	coated paper, gloss printing	high quality catalogues, brochures, books, photobook
712.7 e-Melt low temperature PUR	5,000 at 100°C	short	nozzle	spine gluing	coated paper, gloss printing	high quality catalogues, brochures, books, photobook

\*micro-emission PUR hotmelt residual monomer content &lt; 0,1%

**KLEIBERIT EVA AND PSA HOTMELT SYSTEMS**

Product	Viscosity at 170 °C [mPa·s]	Open time	Application method	Application	Paper type	End use
733.1	4,000	long	nozzle/roller	spine gluing, top glue soft flexible, white/white	Offset, LWC, MWC	brochures, magazines, pocketbooks
734.0	4,500	short	nozzle/roller	spine gluing, top glue, high performance, clear/white	Offset, LWC, MWC	pocketbooks, hardcover
734.1	3,000	medium	nozzle/roller	spine gluing primer and top glue	Offset, LWC, MWC	pocketbooks, hardcover, brochures
734.4	5,000	medium	nozzle/roller	spine gluing primer and top glue	Offset, LWC, MWC	brochures, magazines, pocketbooks
734.6	4,000	short	nozzle/roller	spine gluing primer and top glue	Offset, Low pressure, LWC	brochures, catalogues, directories
734.7	5,000	medium	nozzle/roller	spine gluing, primer and top glue, lowest cost, cream/cream	Offset, LWC, MWC	brochures, magazines, pocketbooks
734.2	3,000	long	disc/nozzle	side gluing	-	-
734.8	3,000	long	disc/nozzle	side gluing	-	-
734.9 PSA	2,000	permanent	disc/nozzle	side gluing	-	-

**KLEIBERIT CLEANERS**

Product	Viscosity at 140 °C [mPa·s]	Physical form	Application	Suitable for
761.6	-	solid	equipment cleaner, stops PUR reaction, cured PUR cleaning	system purging, hoses and tanks
761.7	6,000	blue granulate	equipment cleaner, stops PUR reaction	system purging
761.704	6,000 at 100°C	blue granulate	equipment cleaner, stops PUR reaction	system purging, especially for low temperature adhesives
761.8	very low	powder	roller cleaning, pot cleaning	quick roller cleaning
761.9	30.000	blue granulate	roller cleaning, pot cleaning	system purging, when high viscosity is needed
823.3	very low	liquid	roller cleaning, pot cleaning	removes charred hotmelt
883.0	paste	grease	sealing of nozzles, o-ring protection	sealing and lubricating