

Adhesives for bookbinding

- Hot melts (also reactive and monomer-reduced) and dispersions
- For all standard perfect binders
- For all standard paper types and application systems

Jowatherm® 271.00/.20

Jowatherm® 242.00

Jowatherm-Reaktant® 600.37

Jowatherm-Reaktant® MR 600.39

Jowacoll® 745.60

Adhesives for bookbinding



Since the introduction of mechanical movable type printing by Johannes Gutenberg and the invention of lithography by Alois Senefelder, books have become firmly established in society.

Books are constant companions of students, diaries and photo books preserve the most precious and significant moments in life, and novels provide relaxation during quiet hours. Even the most advanced eBook readers cannot appeal to the readers' senses as only a printed book does. As a partner to bookbinderies, Jowat supplies adhesives for numerous applications from the first to the last page, for industry and manual trades.

Softcover manufacturing

1. Spine glue

PUR / hot melts / dispersions / Two-Shot

After the book block has been milled on the back, the following step is to apply an adhesive film on the spine by nozzles or roller. For this process, several things must be considered to ensure a successful bonding result. Is the adhesive tank open? How high is the temperature? For how long will the adhesive remain molten? What application amount is needed and how high is the feed speed?

2. Side glue

Hot melts / dispersions / PUR

In general, the adhesive is applied by nozzle or roller on the first and on the last page of the book block, to bond it to the cover. The adhesive for this application has to be flexible, adhere to the

most different surfaces and it should not bleed through, while providing maximum durability.

Hardcover manufacturing

Jowat supports bookbinders with the perfect adhesive for each process step, from the assembly of book blocks and sections, to attaching ribbons for bookmarks, gauze lining, manufacturing the cover, and casing.

To ensure reliable processes and superior quality, there are also some other aspects which need to be observed in addition to the technical properties of the adhesive. For instance:

Is it a children's book?

Will the book come into contact with food (e.g. cookbooks)?

Where will the book be read?

To what temperatures will it be exposed?

What is the minimum lifetime of the book?

In addition to the comprehensive adhesive portfolio with hot melts (also reactive and monomer-reduced) and dispersions for all standard bookbinding applications, Jowat also supplies special dispersion and hot melt adhesives for **lay-flat bindings**. Perfectly adapted to this application, these Jowat adhesives facilitate the manufacture of highly demanding print products, like photo books or leaflets, that lay completely flat when opened, providing a seamless panoramic two-page spread.

Did we spark your interest? Contact us and we will be at your disposal with our expertise and advice.

Jowatherm® 271.00/.20

Superior performance EVA hot melts, spine glue for perfect binding of magazines, catalogues and paperbacks.

	271.00	271.20
Processing temperature [°C]	150 - 170	150 - 170
Open time [s]	medium	medium
Density [g/cm ³]	approx. 0.97	approx. 0.99
Softening range [°C]	approx. 90	approx. 85
Appearance	colourless	white

Jowatherm® 242.00

Pressure sensitive hot melt on rubber basis, side glue for bookbinding.

Processing temperature [°C]	150 - 170
Density [g/cm ³]	approx. 1.00
Softening range [°C]	approx. 75
Appearance	colourless

Jowatherm-Reaktant® 600.37

PUR hot melts for bonding book spines / perfect binding.

Processing temperature [°C]	100 - 120
Reaction time [d]	approx. 3
Open time (film) [s]	approx. 30
Appearance	colourless

Jowatherm-Reaktant® MR 600.39

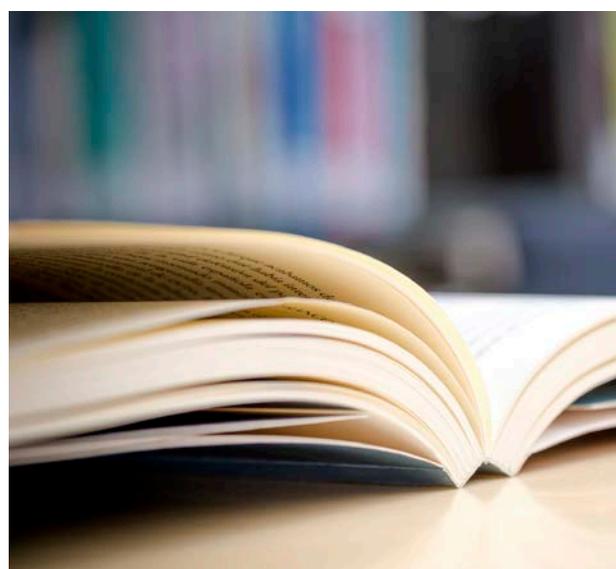
Monomer-reduced PUR hot melts for bonding book spines / perfect binding.

Processing temperature [°C]	120 - 140
Reaction time [d]	approx. 3
Open time (film) [s]	approx. 30
Appearance	white

Jowacoll® 745.60

Dispersion for bookbinding and print processing, file/folder manufacturing, paper and packaging industry.

Viscosity [mPas]	approx. 2,000
Density [g/cm ³]	approx. 1.04
pH value	approx. 4.5
Appearance	colourless translucent



Jowat | Ihr Partner in Sachen Kleben
Jowat | Your Partner in bonding



The information given in this leaflet is based on test results from our laboratories as well as on experience gained in the field, and does in no way constitute any guarantee of properties. Due to the wide range of different applications, substrates, and processing methods beyond our control, no liability may be derived from these indications nor from the information provided by our free technical advisory service. Before processing, please request the corresponding data sheet and observe the information in it! Customer trials under everyday conditions, testing for suitability at normal processing conditions, and appropriate fit-for-purpose testing are absolutely necessary. For the specifications as well as further information, please refer to the latest technical data sheets.

Jowat – Kleben erster Klasse
Jowat – first class bonding

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