



ADHESIVES FOR BOOK BINDING & JELLY GLUES

Bonding Together

Where Your **Adhesives and Coatings** Requirements Are Always Met

HOTMELTS FOR BOOK BINDING

ANIMAL JELLY GLUES

**WATER BASED ADHESIVES FOR
BOOK BINDING**

ADHESIVES FOR HOTMELT BOOK BINDING & JELLY GLUES

With more than 29 years of experience in global supplies, **CHEMLINE** is one of the unique Indian companies manufacturing a wide range of **ADHESIVES & COATINGS**. It has proven leadership in number of adhesives segments in India which includes **Labelling Adhesives, Dry Lamination & Speciality Hot Melts including Perfect Book Binding Adhesives.**

CHEMLINE manufacturers a full range of Hot Melts for Book Binding Adhesives with a brand name of **QUIKLOCK** in both granules & pillows form. There different grades for Art Paper Books, Maplitho Paper (Wood Free Paper) books for high speed multi-clamp machines etc. like **KOLBUS, MULLER MARTINI** etc. Our products gives better lab test like Page Pull Test & Flex Test. It gives good adhesive layer for proper spine.

The products have been designed to be Odour free with Good Thermal Stability and reduced charring characteristics. These are special grades suitable for extreme climates conditions.

HOTMELTS FOR BOOK BINDING

- Introducing Cool Bind Services for perfect Book Binding.
- Introducing Pillow Form Adhesive for Side Gluing.
- Books bound will withstand up to 10 °C
- Flexibility of spine will be maintained at low temp.
- Give edge to book manufacturer & exporter to explore colder regions of the world

ANIMAL JELLY GLUES

WATER BASED ADHESIVES FOR BOOK BINDING



QUIKLOCK®

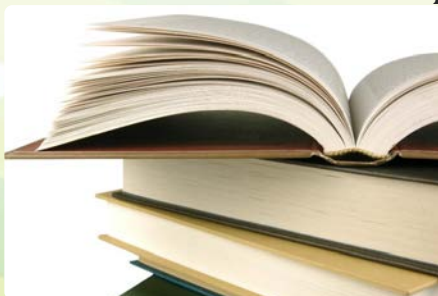
HOTMELTS ADHESIVES FOR BOOK BINDING

Following are the General Purpose Grades for Perfect Book Binding:

Product	Grade	Viscosity, cps, at 150 °C,	Gluepot Temp. (°C)	Softening Temp. (°C)	Application	Specific Advantages
SPINE HOTMELT BOOK BINDING ADHESIVES FOR PERFECT BINDING (FOR MULLER MARTINI, KOLBUS MACHINES ETC.)	CH 155 SW	7000 ± 1000	130 - 160	85 ± 2	Show White	High Strength Light Yellow & Ivory White Hot Melt for High Speed Perfect Binding Machines.
	CH 155 SW (64)	7000 ± 1000	130-160	76 ± 2.0	Art & Wood Free for Spine Application (PIGMENTED GRANULES).	
	CH 699 TY	7000 ± 1000	130-160	76 ± 2.0	Art & Wood Free for Spine Application (NON-PIGMENTED GRANULES).	
	CH-639 GNP	7000 ± 1000	130-160	78 ± 2.0	Maplitho / Wood Free for Spine Application. (PIGMENTED GRANULES).	All grades for Spine Applications having good page pull strength.
	CH 145 GT	7000 ± 1000	130-160	78 ± 2.0		Excellent Binding with High GSM Maplitho/ Uncoated Paper with Good Spine Flexibility.
	CH 145 WH	5000 - 12000	130-160	80 ± 2.0	Maplitho / Wood Free Paper with Stitched Spine.	
SIDE GLUE	CH 135 YB	4000 ± 1000	130-150	80 ± 2.0	Side Glue for Art/Coated Paper & Laminated Paper. (Semi-PSA, Pillow Form)	Excellent Binding in Side Application for Coated/Art/Maplitho Paper both in Granule & Pillow Form.
	CH 135 Y6	4000 ± 1000	130-150	80 ± 2.0	Side Glue for Art/Coated Paper (Granule Form)	



Perfect Book Binding Machine



QUIKLOCK®

COOL BIND SERIES FOR BOOK BINDING

BENEFITS OF CHEMLINE COOL BIND SERIES:

- Low Application Temperature Hot Melt Adhesive.
- Reduced Degradation & Char Build-up.
- Less Maintenance of Machine.
- Faster make ready as the material melts faster than regular.
- Improves Machine Performance.
- Increases Operator Safety.
- Fast Cooling of the Adhesive.
- Improves Book Quality.
- Good Spine Aesthetics.
- Better Mileage give less Cost of Production.
- Low Power consumption due to Low application temp.
- Finally improves Productivity and Increases Profits.



Following are the Technical Specifications of Cool Bind Series Grades:

Product	Grade	Viscosity @150° C	Gluepot Temp.	Softening point temp.	Advantages	Specific Advantages
Hotmelt Spine adhesive for perfect binding	CH 399 TY	4000+1000	120-140	78±2	Suitable for Art paper and Maplihto paper	Low application temp.

GENERAL PRECAUTIONS FOR USAGE OF HMBB GRADES

- Use correct grade for each job, i.e. Art Paper or Maplitho Paper etc.
- Use Hot Melt Cleaner (HMC 1000L) to clean the glue pot
- Use optimum temp. for each grade as mentioned in TDS.
 - Please do consider the extreme climate and maintain $+10^{\circ}\text{C}$ in extreme winter and -10°C in extreme summer.
 - Do not exceed the temp. which causes glue charring (burning).
 - 180°C for regular Hotmelts and 150°C for Cool Bind Series.

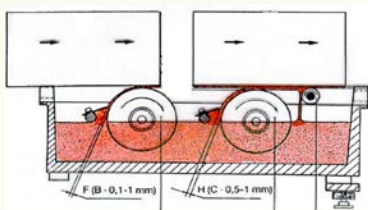


Fig: Glue Pot

- Prevent paper dust and other foreign particles entering the Molten Glue. Cutter and Notcher should be maintained well while doing perfect binding job.

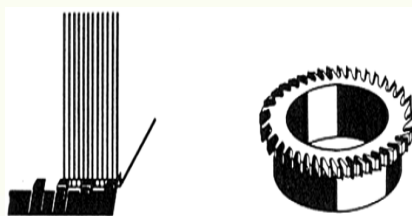


Fig: Notching

- Please keep the adhesives layer from 0.7 mm \pm 0.2 mm according to thickness of the book spine.
- Please design the book in the such that Ink, Varnish or Lamination Film or any coatings does not comes in Spine or Binding Area where the adhesive is applied. As the ink and come coatings contains wax which reacts with the adhesive and spine tends to open. The lamination and UV coating creates a barrier between Adhesive and Paper.
- Avoid or clean the anti setoff powder from the inner side of the cover to avoid problems of spine opening.
- Creasing of book covers should be accurate to avoid spine swelling.
- Please avoid using chemicals like Diesel, Benzene, Oil or other chemicals to come in direct contact of spine of the book. These chemicals can penetrate the paper and cause chemical reaction with adhesive causing a binding failure.
- Don't give any immediate pressure over the spine of the book coming out of the machine. May deform the spine due to uneven pressure. Also may push the adhesive deeper in the books and distorting the aesthetic look of the book. This may also cause the gaps or uneven layer.

HAPPY BINDING !!!

Our adhesive can run all kind of Perfect Binding Machine. As conventional hotmelt adhesive. We would be upcoming with PUR adhesive soon.

QUICKLOCK[®]

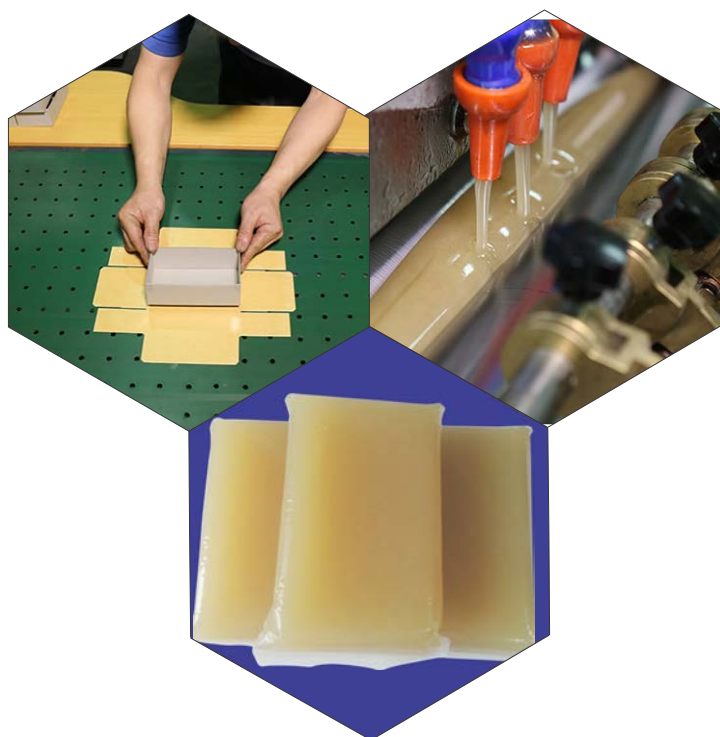
JELLY GLUES

Chemline was the first to start production of Jelly Glues in India. We offer grades for all kind of machines Automatic and Semi-Auto, for case making and rigid box making. The grades are relatively odourless and lighter colour.

Please take precautions of working temp. in extreme climate conditions as either the viscosity may differ due to ambience temperature.

Add water according to the usage and substrate

Process	Product	Grade	Viscosity, cps, at 60 °C	Gluepot Temp. (°C)	Softening Temp. (°C)	Specific Advantages
Automatic /Semi-Auto	JELLY GLUE FOR HARD CASE / RIGID BOX APPLICATION (FOR KOLBUS, HAROUF, MEMORY, MEGA BOUND TYPE M/C'S)	GC 3560 F9 (Light Brown Transparent)	2000±300	70±5	50±5	1. Odor Free 2. Free Flowing characteristics of melt & good spreading.
Automatic /Semi-Auto		GC 3560 F12 W Light Yellow Transparent	1500±300	65±5	53±3	3. Product performs well under ambient conditions of humidity and temperature. 4. Superior bond formation between substrates.



CHEMICRYL®

WATER BASED COLD GLUES

Water based Adhesive for Hard bound books coffee table books. Suitable for manual and machine applications. Products running successfully on Kolbus, Sigloch and other machineries Also used for tape pasting on the spine of books for hard bound and stationaries product. Good Performance for rounding and end paper pasting. Also for paper to paper and paper to board pasting.

Product	Grade	Viscosity, cps, at 25 °C,	pH	Solids %	Application	Specific Advantages
COLD BOOK BINDING ADHESIVE FOR CASING IN APPLICATION	SS 6010 CI	10,000±1000	5.0±1.0	53±1.0	For Casing in Purpose on Fully Automatic m/c's	Good Bonding with PVC / Laminated cover with Quick Drying Characteristics
COLD BOOK BINDING ADHESIVES	WA 40	37,500±2500	5.0±1.0	40±1.0	For Manual Paper to Board / Paper to Paper Pasting	Plasticized Products With Good Flexibility & Quick Drying
	BDG 54	40,000±5000	5.0±1.0	50±1.0		
WATER BASED/ ADHESIVES FOR BOX MAKING/CASE MAKING M/C'S.	ABM 60	8000±500	5.5±1.0	53±2.0	Suitable for Rigid Box / Hard bound Book Case making on Automatic Machine.	Good bonding strength with Paper to Board / Coated Paper to Board.





GLOBAL PRESENCE

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