

# LAMINATION & COLD GLUES FOR PAPER PACKAGING & CONVERTING



## LAMINATION ADHESIVES

- ✘ Water Based Dry Lamination Adhesive
- ✘ Water Based Wet Lamination Adhesive
- ✘ Polyurethane Based Mono Component Lamination Adhesive

## WATER BASED COLD GLUES

- ✘ Carton Flap And Lock Bottom Sealing Adhesive
- ✘ Paper To Paper Or Board Pasting Adhesive
- ✘ Flute Lamination Adhesive
- ✘ Liner Pasting Adhesive
- ✘ Books & Box Making
- ✘ Corrugated Boxes - Side Sealing



## ✚ Paper To Film Lamination, Water Based Dry Lamination Adhesives



**BHIWADI POLYMERS** is a MARKET leader in manufacturing Chipko/TOPBOND brands of Dry Lamination Adhesives, with exports to countries in the Middle East, South East, Asia, African Nations Etc.

**CHIPKO/TOPBOND** Dry lamination adhesives performs with excellent results on high machine speeds and all kinds of lamination substrates BOPP, MATT, PET, METBOPP, BOPPMATT etc on machines like WenChyuan, PaperPlast, Billhofer and others.

Excellent performance over all kind of lamination film, i.e. - PET, MET PET, BOPP, MET BOPP, BOPP MATT (PEARL Finish) etc.

Product	Grade	Viscosity, at 25° C	pH	Solids%	Application	Specific Advantages
Dry Lamination Adhesives For Billhofer, Paper Plast , Wen Chyuan & For Gravure Coating M/c□s.	DL 55	17±2 secs	8.0±0.5	51±1	All Acrylic Type Products for Lamination of Films like PET, PVC, BOPP, MPET to Paper / Duplex Board at High Speed of upto 80 mtr /min.	Immediate Curing on Automatic Lamination Machines.
	DL 52	17±2 secs	8.0±0.5	50±1		
	DL 48	17±2 secs	7.5±0.5	45		
	DL 45	17±2 secs	8.0±0.5	40	Especially for Lamination of MET PET/Holographic Film.	

Typical Dry Lamination m/c Using Water Based Adhesives

# Typical Lamination Machine for using PU Monocomponent

## Water Based Pressure Sensitive Adhesives

Product	Grade	Viscosity, at 25° C	pH	Solids%	Application	Specific Advantages
Water Based Pressure Sensitive Adhesives	TG60	28±2 secs	7.0±0.5	58±1	Suitable for Self Adhesive BOPP Tape & Holographic Labels.	High tack and peel, non bleeding, non transferable.
	TG 55	16±2 secs	7.0±0.5	52±1		
	PSA 190	4000-5000cps	6.0±1.0	53±1	Suitable for Stickers & Label Stock.	
	PS 1155	10000-110000 cps	6.0±1.0	53±1		
	PS 1120	1500±500 cps	6.0±1.0	58±1	Suitable for Window Patching with LDPE, PVC, PET, Nylon Films.	

## Paper To Film - PU Based

Product	Grade	Viscosity, at 100° C	pH	Solids%	Application	Specific Advantages
Solventless Mono- Component Polyurethane Lamination Adhesive	PU M09	1200+400 cps	-	100%	Solvent Less Mono Component PU Adhesive Systems. Specially used for Paper /Board to Film & Foil Lamination.	Cures with the Presence of Moisture within 24-48 hrs.



# Paper To Film Lamination, Water Based Wet Lamination Adhesives



HIGH QUALITY  
WET  
LAMINATION  
ADHESIVES FOR  
SEMI  
AUTOMATIC  
M/C□S.

ECONOMICAL  
GRADES FOR WET  
LAMINATION  
ADHESIVES  
FOR BOPP.

Product	Application	Specific Advantages
High Quality Wet Lamination Adhesives For Semi Automatic M/c□s.	Especially for Lamination of PET Film apart from BOPP & PVC, MPET with Paper or Duplex Board, Outstanding Grade for Creasing, Embossing, Guttering & Lamination of Dark Substrates.  Lamination of Films like BOPP, PVC to Paper or Duplex Board	High Strength Light Yellow & Ivory White Hot Melt For High Speed Perfect Binding Machines. Can be used as Side Glue.
Economical Grades For Wet Lamination Adhesives For Bopp.	Lamination of Films like BOPP, PVC to Paper or Duplex Board Curing time upto 12 hours.	