



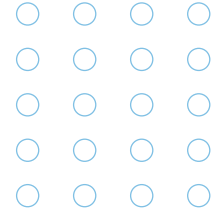
**LAMINATING
ADHESIVES FOR
PACKAGING SOLUTIONS**



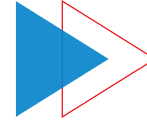


Frimpeks®

frimpeks.com



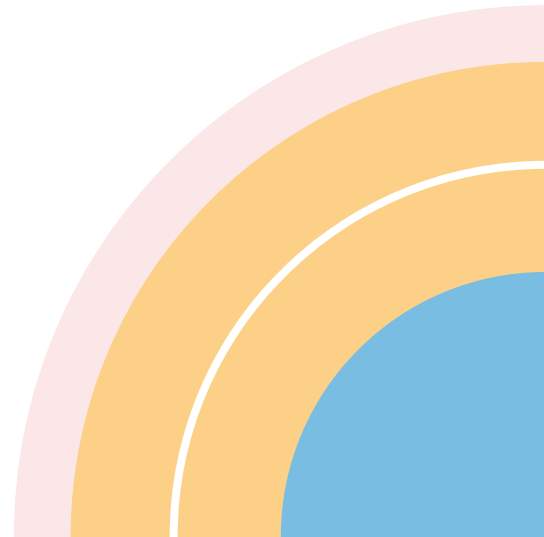
Frimpeks Laminating Adhesives offer several products for the fast growing, high speed and high quality environment of Flexible Packaging Industry. With solvent-based and solvent-free technology, Frimpeks covers wide range of applications in the market.



Frimpeks polyurethane based adhesives offer increase in efficiency, handling convenience and improved chemical and thermal resistance to the market. From snacks to retort applications, Frimpeks solvent-free and solventless adhesives propose a new pace of solutions to Flexible Packaging Industry.



TÜRKİYE'S
TOP 500 INDUSTRIAL
ENTERPRISES
2021



Solventless Product Portfolio								
	601A/600B	601A/608B	601A/614B	601A/618B	401A/402B	401A/404B	114	118
Performance Level	General	Medium	Medium	Medium	High	High	High	Medium
Application Temperature	35-40°C	35-40°C	35-40°C	35-40°C	35-40°C	35-40°C	80-90°C	80-90°C
Curing Time	Room Temp. / 7 days	Room Temp. / 7 days	Room Temp. / 7 days	Room Temp. / 7 days	Room Temp. / 7 days	Room Temp. / 7 days	Room Temp. / 7 days	Room Temp. / 7 days
Room Temperature Curing	√	√	√	√	√	√	√	√
Operating Speed (m/min)	250-450	350	350-400	350-400	300	300	100-120	100-120
Time to Slit and Process	24hrs	12hrs	24hrs	24hrs	24hrs	24hrs	12hrs	12hrs
Pot Life	30-40 min	30min	40-50min	40-45min	30-35min	30-35min		
Thermal Resistance	Sealing	√	√	√	√√	√√	√	√
Chemical Resistance	X	√	X	X	√	√√	X	X

SOLVENTBASED PRODUCT PORTFOLIO						
	921A/922B	945A/948B	904A/903B	902A/903B	902A/909B	127
Performance Level	High	Medium	Medium-High	High	High	General
Aromatic/Aliphatic	Aromatic	Aromatic	Aromatic	Aromatic	Aliphatic	
Curing Time / Temperature	Room Temp. / 7 days	Room Temp. / 7 days	Room Temp. / 7 days	Room Temp. / 7 days	Room Temp. / 7 days	
Solid Content in Application	30-35%	30-35%	>40%	>40%	>40%	35-40%
Boiling/Pasteurization	√	√	√	√	√	X
Hot Filling	√	X	X	√	√	X
Sterilization	√	X	X	√	√	X
Retort without foil	√	X	X	√	√	X
Retort with foil	X	X	X	X	√	X
Time to Slit and Process	24 hrs	24 hrs	24 hrs	24 hrs	24 hrs	24 hrs
Cleanability	Standard	Very good	Very good	Very good	Very good	Very good
Thermal Resistance	High	Medium	Medium	High	High	Medium
Chemical Resistance	High	High	Medium	High	High	Medium

Frimpeks SF 51

Aticelca 501 qualified, one component solventless adhesive.

Frimpeks SF 51 is specially formulated to laminate
paper to film for the production of recyclable packaging
in accordance to standard **Aticelca 501**

*(i.e. ease of separation of the layers,
keeping integrity and recyclability of the paper)*



FAST · STRONG · FLEXIBLE



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