

ADiNO[®]
Klebstoffe



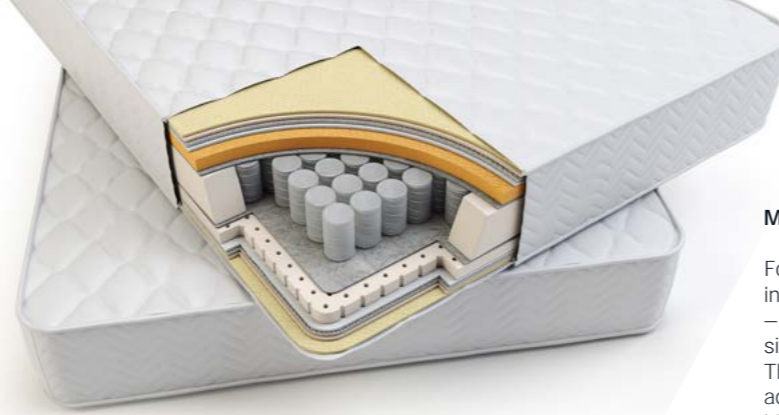
**MATTRESS & UPHOLSTERY
INDUSTRY**

Adhesive Innovation

Mattress and Upholstery

Keeping up with the developments in the mattress and upholstery production, Adino® offers all types of foam glues from solvent to water based to hotmelts, for manual and automatic application, and in accordance with the most stringent quality and environmental standards.

The availability of all types of foam glues in the Adino® range allows our customers to select the adhesive system that is most suitable for their very own specific requirements:



Mattress in a box

For reduced logistic cost or to persist in the fast growing online market place – shrink and roll packing has gained significant importance over recent years. This changes the requirements on the adhesive from simple foam bonding to high tension, and the ability to allow the rolled up mattress to fully return to its original flat state. Particularly suitable here are the ADiNO® APAO hotmelt and the water-based foam glues. They also allow automatic and immediate in-line shrink and roll packing for highest production efficiency.



ADiNO® APAO Hotmelt Adhesives

Aside of being a perfect solution for inline roll-packing, the ADiNO® APAO hotmelts also fulfill all ecological requirements for a "green product", avoid risk of mold and fungus after packing, and provide a long-lasting bond line for years. Their final bonding strength is reached immediately after cooling down, and this bonding strength results in no crackling noises in the mattress.

Last but not least, in a controlled automatic application line and due to their 100% solid content, the APAO hotmelts result in the lowest adhesive cost per produced unit.

ADiNO® SBS Solvent Based Foam Glues

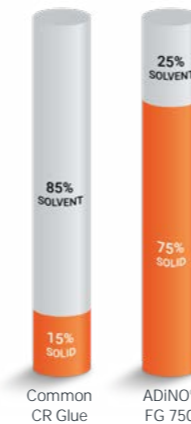
- Easy to use technology
- Formaldehyde free
- Wide adhesion spectrum
- Fast initial tack
- Low overspray
- High Solid contents
- Non-flammable types available

ADiNO® Water Based Foam Glues

- Solvent and VOC free
- Formaldehyde free
- Non-flammable
- Fast initial tack
- Very good aging stability
- Shrink / roll packing suitable
- Types for spray and for roller application

ADiNO® Hotmelt Foam Glues

- Solvent and VOC free
- Formaldehyde free
- Non-flammable
- No overspray in automatic bead application
- 100% solid content
- Good aging stability
- Shrink / roll packing suitable
- Very long storage stability
- Lowest glue cost in mattress production



ADiNO® SBS High Solid Foam Glues

As opposed to solvent based CR adhesives, the ADiNO® SBS FG range contains a high percentage of actual bonding material and hence an accordingly lower solvent content. This makes them more efficient in both actual adhesive cost per produced unit as well in the production process. Obviously, less solvents also result in increased workplace safety, a smaller ecological footprint, and a reduced flammability risk.



Solvent-based

	FG 300	FG 510	FG 650	FG 700	FG 750	FG 400 NF	C 427	C 429
Basis	SBS						CR	
Processing	Spray Gun						Spray Gun	
Solid Content approx.	30%	50%	65%	70%	75%	40%	16%	16%
Open time approx. [Min]	3	6	5	5	3	5	15	15
Viscosity [mPa.s]	150	300	550	850	2,500	300	250	2,300
Sofas and Chairs	●	●	●	●	●	●	●	○
Office Chairs						○	●	●
Mattress Assembly	●	●	●	●	●	●	●	○
Headboards	●	●	●	●	●	●	●	○
Artificial Leather							○	●

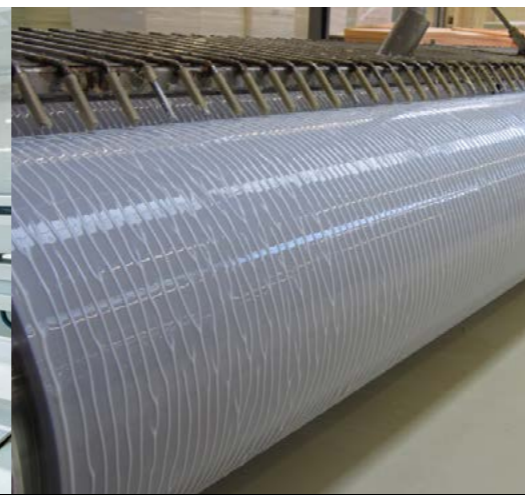
● > Recommended || ○ > Suitable

Water-based

	FG 3460	FG 3442	FG 3386	FG 3454
Basis	CR		AC	CR
Processing	Spray Gun	Spray Gun or Roller	Roller + Drying	2-C spray-mix gun
Solid Content approx.	50%	57%	75%	53%
Open time approx. [Min]	25	25	n.a.	10
Viscosity [mPa.s]	25	1,200	13,000	35
Sofas and Chairs	●	○		●
Office Chairs	●	●		●
Mattress Assembly	●	●	●	●
Headboards	●	●	○	●
Pocketspring				

Hotmelt

	HM 8285	HM 8288	HM 8310	HM 8450	HM 8355
	APAO		PSA		EVA-Hybrid
	Manual / Automatic		Manual / Automatic		Automatic
	100%	100%	100%	100%	100%
	3	3	3 - 5	3 - 5	n.a.
	2,100	6,000	2,600	2,000	1,200
	○	○		●	
	●	●		○	
	●	●	●	●	
	○	○	●	●	
					●



Technical data provided in this brochure generally are approximate values, based on internal tests and many years of practical experience. The variety of materials used and different work conditions, which lie beyond our control, preclude any claims based on this data. We recommend performing sufficient tests and pilot runs that our technical service team gladly support.