

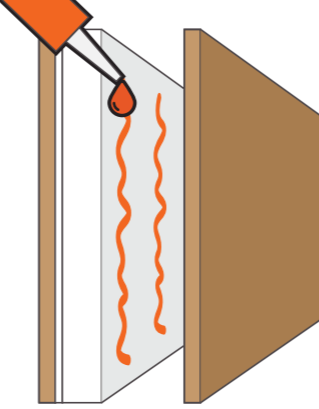


Adhesive Innovation

PRODUCT SELECTION
REACTIVE PU & MS ADHESIVE SYSTEM

Sandwich Panels

The role of sandwich constructions in the furniture and interior / exterior industry is continuously increasing: They allow unique combinations of different material characteristics in the end-product, utilization of low-cost core materials, and smaller ecological footprints if recycled core materials are used. Also, the bonding of the sandwich layers results in a high rigidity and load capacity. The growing variety of utilized materials translates into a multitude of requirements on the adhesive, production processes and properties of the end-product – and the challenge to combine all these.



Technical Specifications	PUR 883	PUR 880	PUR 885	PUR 890	PUR 806
	The Versatile One	The Flame-Retardant	The Specialist	The Slow One	The Versatile 2-C PUR
Specialty	Standard all-rounder	Lowest calorific value; fire tested IMO FTPC	For almost every surface. (Incl. flexible materials)	Very long open time	All-rounder with long pot life
Adhesive System	1C PUR	1C PUR	1C PUR	1C PUR	2C PUR
Adhesive Joint	Tough - Elastic	Tough - Hard	Tough - Elastic	Tough - Hard	Elastic
Viscosity	Liquid	Liquid	Liquid	Liquid	Liquid
Open Time dry [min]	60	30	110	120	80 (Pot Life)
Open Time wet [min]	20	27	40	50	n.a.
Pressing Time [min]	120	70	240	240	960
Warm Pressing Possible (+60°)	●	●	●	●	n.a.
Formaldehyde	●	●	●	●	●
Foaming Behavior	Medium	Low	Low - Medium	Medium	None
Tolerance Bridging	●	●	●	●	●
Can be Painted Over	●	●	●	●	●

Values measured at 20°C / RH 50%.
Please note: With increased air humidity and environmental temperature (e.g. in tropical climates) or added heat from a hot press, processing times of PUR adhesives will be shortened significantly. For example, at 40°C / RH 70% the pressing times can be as low as 20-30% of the values as stated. Your Adino technician will assist you to determine the correct adhesive type and processing times for your individual conditions and requirements.

Assembly

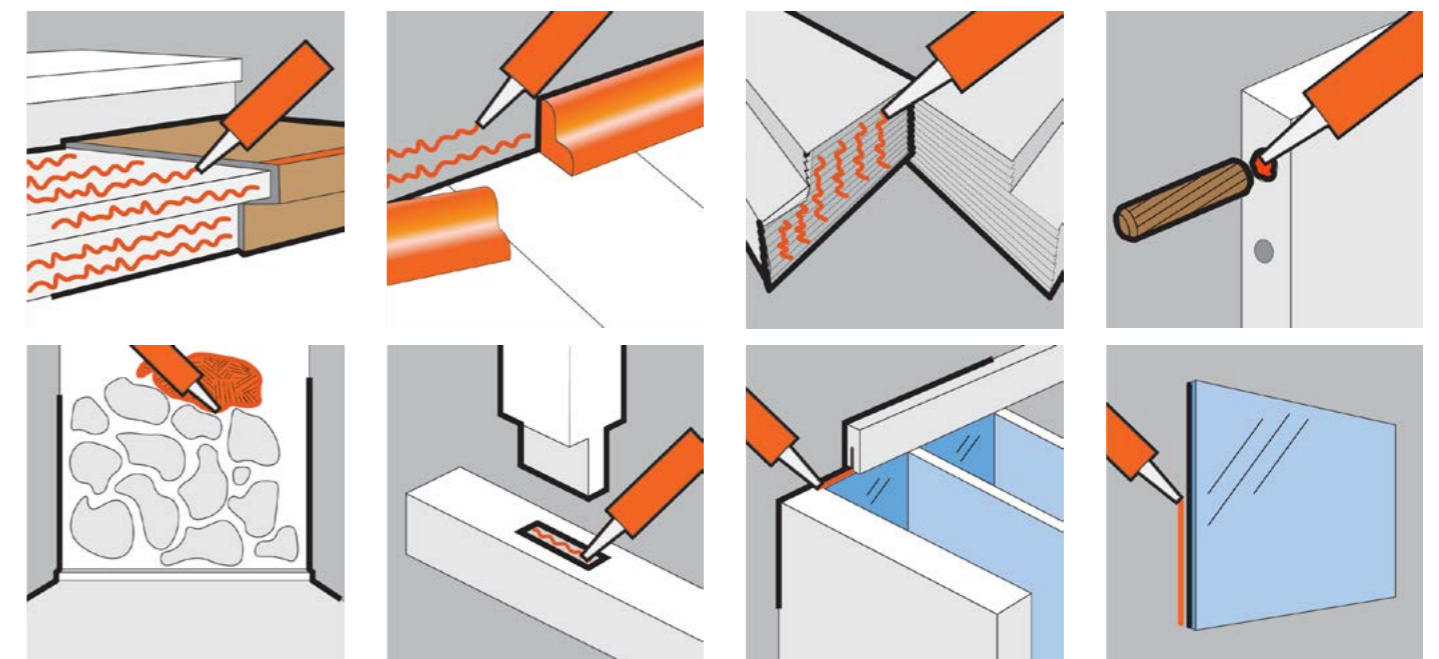
Technical Specifications	PowerNail K1	PowerNail K2	PowerNail K5	PowerNail MS	PowerNail PLUS	PUR Glue 820	PUR Glue 870	PUR Glue 890
Adhesive System	1C PUR	1C PUR	1C PUR	1C MS	1C PUR	1C PUR	1C PUR	1C PUR
Adhesive Joint	Tough-Elastic	Tough-Elastic	Elastic	Elastic	Tough-Elastic	Tough-Hard	Tough-Hard	Tough-Hard
Viscosity	Pasty	Pasty	Pasty	Pasty	Pasty	Liquid	Liquid	Liquid
Colour	Beige	Beige	White	White	Opaque	Brown	Brown	Brown
Open Time [min]	5	45	25	12	7	20	20	120
Functional Strength [min]	12	90	45	30	15	50	50	240
Fibre Reinforced					●			
Thixotropic, does not drip	●	●	●	●	●			
Foaming	●	●			●	●	●	●
Formaldehyde Free	●	●	●	●	●	●	●	●
Class D4 acc. DIN EN 204	●	●			●	●	●	●
Salt Water Resistant			●	●				
Paintable	●	●	●	●	●	●	●	●

Values measured at 20°C / RH 50%.
Please note: With increased air humidity and environmental temperature (e.g. in tropical climates) or added heat from a hot press, processing times of PUR adhesives will be shortened significantly. For example, at 40°C / RH 70% the pressing times can be as low as 20-30% of the values as stated. Your Adino technician will assist you to determine the correct adhesive type and processing times for your individual conditions and requirements.

Applications	PowerNail K1	PowerNail K2	PowerNail K5	PowerNail MS	PowerNail PLUS	PUR Glue 820	PUR Glue 870	PUR Glue 890
General Assembly	●	●	●	●	●	●	●	●
Skirting/Flooring	●	●	○	●				
Mortise & Tenon, Doweling	●	●	○	○	●	●	●	●
Metal/Wood Bonding	○	○	●	●	●	●	○	●
Tropical Wood	●	●	●		●	○	●	○
FibreceMENT	●	●	●	●	●	●	○	●
Glass/Mirror Bonding				●				
Sealing			●	●				
Cold Bending		○				●	●	●

● > Recommended | ○ > Suitable

Applications



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.

Wide adhesion spectrum for different materials

Short, efficient processing times

High chemical, temperature, water resistance

Simple, consistent and accurate application

High weathering and aging resistance

Low investment for equipment

Flexible adhesion joints to compensate tensions

REACH and RoHS compliant

Gap filling to compensate thickness tolerances

Formaldehyde & VOC free



ADiNO[®]

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