

ADiNO[®] PowerNail K1

1-C PUR Adhesive

Application

- Universal assembly bonding of common materials used in the furniture and construction industry
- Mortise and tenon, doweling and general wood assembly
- Decorative profiles, ornaments on coated surfaces
- Bonding of skirting, decorative profiles at construction sites
- Window and door manufacturing, corner angles bonding
- Fixation of signs
- Fixation of struts for double-flooring.

Characteristics

- 1-component moisture curing
- Tough-elastic adhesive joint
- Thixotropic, does not drop off
- Short open time and very short pressing time
- High initial adhesion and fast curing
- High resistance to cold, heat and water Durability class D4, according to DIN EN 204/205 & und WATT 91
- Solvent free, formaldehyde free
- Slight foaming during crosslinking process
- High bonding strength at heat (WATT 91 approx. 8 N/mm² at 80 °C)
- Can be painted over when hard-dry

Technical Data

Basis	:	Polyurethane
Solid content	:	approx. 100 %
Viscosity	:	pasty
Density	:	approx. 1.60 g/cm ³
Open time (20°C/50%RH)	:	approx. 5 minutes
Functional strength (20°C/50%RH)	:	approx. 15 minutes
Setting time	:	approx. 72 hours
Application amount	:	80-200 g/m ² depending on material
Hardness (shore A)	:	approx. 70

Instruction for Use

Apply the adhesive directly from the cartridge/tube-bag to one side of the dirt, grease and dust-free adhesive surface. Join the workpieces within the skin formation time and press until functional strength is achieved. For plastic and metal, we recommend a primer for improved adhesion; aluminum and polyolefins (e.g. PE, PP) must be pre-treated! When bonding non-absorbent materials (material moisture <8%) together, the carrier materials should be lightly wetting/moistened with water in advance.

Open time, bonding times and subsequent processing times can only be determined precisely through your own tests, as they depend on the material, temperature, humidity, application amount and other criteria.

For cleaning fresh adhesive, we recommend the ADiNO[®] CL 4955.0 cleaner; cured adhesive can only be removed mechanically.

Packaging / Storage

300 ml cartridge, 600 ml alu tubular bag / shelf-life 12 months after production date.
Keep in a cool and dry place

All information 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 test and pilot run that our technical service team gladly support.

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