

FIX 12

UNIVERSAL D4 WATER RESISTANT ADHESIVE

Universal D4 water resistant polyurethane adhesive with high final bonding strength and excellent adhesion on various types of wood, metal and other building materials.

PROPERTIES

- Joint wood – wood is D4 water resistant and temperature resistant from -40 °C to +110 °C.
- Fast adhesion.
- Fast curing.
- High final bonding strength.
- Easy to apply.
- It swells a little during hardening.
- It is resistant to water, chemicals, weather conditions and ageing.
- After curing, it can be painted and sanded.
- It does not contain solvents.

TESTS AND CERTIFICATES

Classification of non-structural adhesives for wood and wood products: EN 204 D4 [wood-wood]

AREA OF USE

- For gluing wooden parts where rapid curing and rapid exposure to mechanical loads are required.
- For gluing of window and door corners, finishing trims, laminate floors, various signs and boards.
- Particularly suitable adhesive for built-in parts that must be mechanically resistant or intended for outdoor use.

TECHNICAL DATA

Fresh mass

Base	polyurethane
Appearance	paste
Curing mechanism	with air humidity
Specific weight	1500 ± 20 kg/m ³
Skin formation time 23 °C/50 % rel. humid.	≈ 8 min.
Application temperature	from +5 °C to +35 °C

Cured mass

Tensile strength in heat DIN EN 14257 [WATT 91]	approx. 7.6 MPa
Temperature resistance	from -40 °C to +110 °C

INSTRUCTIONS FOR USE

- Surfaces must be solid, clean and free of dust and grease.
- Cut the cartridge and screw on the tip, which is obliquely cut according to the required thickness of the coating.
- Apply the adhesive on one of the surfaces, wait 2 minutes and then join both parts together.
- If you are gluing non-porous materials with a moisture content <8%, the adhesive should be lightly sprayed to achieve complete curing.



- Despite the high viscosity, we recommend additional mechanical attachment of the elements to be glued.
- To achieve optimal results, it is very important that the layer of the adhesive between the two elements is very thin.
- Aluminium, copper, brass or powder coated substrates can only be glued if pre-chemically treated.

PACKAGING

- 300 ml cartridge

STORAGE

18 months in dry and cool places at a temperature between 5 °C and 25 °C, in the original sealed packaging.

HEALTH, SAFETY, HANDLING AND DISPOSAL INFORMATION

Additional safety information, safe handling instructions, information on personal protective equipment, and disposal information can be found in the safety data sheet. Safety data sheet available on request. You can also obtain a copy from your TKK sales representative.

WARNING

The information given is based on our tests and practical experience. However, due to specific conditions and working methods we recommend preliminary tests for each case of use.



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