



TECHNICAL DATA SHEET - FEVICOL 1K PUR

FOR INFORMATION ONLY

PROPERTIES

COLOUR: Brownish Liquid

APPLICATION CONSISTENCY

Spatula, nozzle applicator

AVERAGE WEIGHT (Density)

1.1-1.2 g/ml

AVERAGE NON-VOLATILE

Not less than 99.5% by weight

VISCOSITY

(Brookfield RVT, spindle no-4, rpm-20, temperature- 30°C)
30-60 PS

**WATER RESISTANCE (DIN EN 204/D4)
(Test report 505 32054/2e, from ift
Rosenheim, Germany)**

Confirms to German DIN standard for D4 level boiling water resistance.

Service Temperature range:

0°C to 80°C once fully cured
Short term exposure can be up to 220°C

**HEAT RESISTANCE (WATT 91)
(Test by ift Rosenheim, Germany)**

Confirms to high heat resistance as per WATT91.

Adhesive Strength 12.8 N/mm²

COVERAGE RANGE (PSTM WI 1069)

(Subject to type of surface coated)
8.0 – 9.0 m²/Kg

Fevicol 1K PUR is a one component ready to use moisture curing polyurethane adhesive with gap filling properties.

Fevicol 1K PUR

clamp time - 20°C - 60 min; 40°C - 30 min;
60°C - 10 min. (at wood moisture-8-12%,
temperature- 25°C, RH- 60%)
Final bond strength achieved after 24 hrs

Fevicol 1K PUR adhesive is designed to bond wood, MDF, fiberboard, particleboard, metal, laminates, stone, ceramic, brick, foam, fiberglass, marble, plasterboard, masonry, rubber, some plastics and many other substrates.

Fevicol 1K PUR adhesive can be used in edge to edge joints, I- beam joints. It is suitable for bonding tropical wood. Typical applications include sandwich panels, doors and windows, household furniture, and pergolas. It gives an exceptionally high bonding strength.

Fevicol 1K PUR is specially designed for exterior weather condition. The adhesive bond is resistance to cold and hot weather conditions.

Fevicol 1K PUR gives a clear glue line on drying that can be sanded, painted or stained.

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APPLICATION GUIDE FOR FEVICOL 1K PUR

MATERIAL PREPARATION

Surface to be bonded should be dry, clean, and free from oil or grease.

APPLICATION

By Roller/Spatula

- Apply adhesive to one surface in a thin layer
- Assemble the parts and clamp it very tightly as per recommended time
- During cure this product will foam indicating start of reaction. A strong bond will be obtained after 2-3 hours and full strength will be realized after 24 hours at room temperature
- Individual substrates should be evaluated for bonding performance prior to any large scale application
- Higher humidity, higher moisture content in wood and mist of water spray application will accelerate setting time

CLEAN-UP

Mineral spirit or acetone when glue is wet, sand & scrape when glue is dry.

STORAGE

Being a highly reactive moisture curing system, the storage should be in dry place away from direct sunlight.

HANDLING

Adhesive is based on diphenyl methane-4, 4-di-isocyanate and is therefore classed as harmful. Wear suitable rubber gloves and eye protective while handling. Keep out of reach of children.

SHELF LIFE

Best before twelve months from the date of manufacturing in factory sealed container.

PACKING

500 g, 250g, 125g

IMPORTANT

We recommend that before using our product, the customer should make his own test to determine the suitability of the product for his own purpose under his operating conditions. As the circumstances under which our product is stored, handled and used, are beyond our control. We cannot assume any responsibility of their use by the customer.

Specifications are subject to change. Current specification is available with HO Marketing and can be provided on request.

Consult Material Safety Data Sheet and Container label for further information.

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