

Technical data sheet

Rhenocoll Propellerleim
3W, 4B plus Protect, - Mxx

Art.-No.: A11xx



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Rhenocoll Propellerleim 3 W, 4 B plus Protect

Rhenocoll Propellerleim 3 W, 4 B plus Protect Mxx series (for machine use)

Art. No.: A 1129 (3 W, 4 B plus Protect)

Art. No.: A 1105 (adjustment M 3)

Art. No.: A 1100 (adjustment M 5)

Art. No.: A 1106 (adjustment M 10)

Cold wood glue, single component glue, water and temperature resistant,
Preventive protection for end grain and against rot. **M** = for machine use.

Specifications: One-component glue, eco-friendly. Propellerleim 3W, 4B plus Protect is a ready for use cold wood glue with integrated hardener. Its great bonding strength makes it especially suitable for the construction of windows and exterior doors, elements and exterior work. To use this glue in glueing machines, we offer our special M (machine) with a viscosity adjusted for machine use.

Propellerleim Protect, adjustment for window construction: The first wood glue specially designed for window- and door construction. With film protection to prevent putrescence and water absorption. Due to preventive film protection it avoids damages of the adhesive film and prevents the colonization of fungi.

Application: Processing with brush, spatula or glueing machine. For professional use.

Substrate: Soft and hard wood, also exotic wood, flat laminate, as well as veneer and glueing of edges (except PVC).

Features: Pre-linked, no need for hardener. In-can preservation.

Advantages of Propellerleim 3W, 4B plus Protect: Tested by IFT Rosenheim (Institute for window technology). Fulfills the IFT guideline "Glueing of frame joint in the wooden window construction". Ready for use. Fulfills DIN EN 204/D3 as a single component glue, as well as D4 use regarding water resistance. Additionally, this product was tested according to Watt 91 with excellent resistance against high temperatures: ca. 7.5 N / mm², tear-strength at 80°C. During a practical comparison test with two-component D4 glues, Propellerleim 3W,4B plus achieved great results regarding joint tightness, bonding strength and weathering. It also fulfilled the special guideline "Laminated profiles for wooden windows". Propellerleim 3W, 4B plus is frost resistant up to -30°C but must be protected from enduring frost.

Recommended conditions during processing:

Application amount:	ca. 120 - 150 g/m ² , depending on type of wood and tools
Processing:	Cold- and hot application manually or by machine
Processing temperature:	15 - 20 °C (recommended)
Wood moisture:	10 - 12 %
Press pressure:	2 - 5 kp/cm ²
Open time:	5 - 8 minutes (depending on room temperature); if applied by machine, the open time extends to 15 minutes.
Illuminant:	3 - 5 °C

Press times: (guidelines for standard product)

Time in minutes	cold glueing ca. 20 °C	hot glueing		
		40 °C	70 °C	80 °C
Joint glueing	6 - 8	5	4	3
Veneering	8 - 10	5	3	2
Face glueing (DKS-boards)	10 - 12	5-6	3-4	2

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Processing: Apply glue at room temperature. Should the glue be undercooled or had been exposed to frost, defrost slowly at room temperature and stir well before use. The glue will become homogeneous again. Components that were glued together during frost, can set in well tempered rooms. The joint must dry visibly transparent.

Further processing:

Cold gluing: after 25 - 30 minutes
Hot gluing: after cooling

Problems with discoloration: Rhenocoll cold wood glues usually do not show any discolorations. Due to different wood ingredients (e.g. tannic acid, resin), reactions cannot be fully excluded. These reactions may lead to color changes of the wood. Wood discolorations may also be the result of reactions between the lacquer and wood glue. That is why we always recommend a preliminary test.

Storage: 12 months, protect from frost. Must not come into contact with iron.

Labeling according to regulation (EC) No 1272/2008: No labeling required

GGVS/ADR: Non dangerous goods

Active agent: Geneseptoy® GY 88

Safety notes: During processing, common protection measures and regulations according to the authorized trade association must be observed. Safety-relevant data and instructions regarding disposal can be found in the safety data sheet.

Supply units:

12 kg pail *
32 kg hobbock *
150 kg barrel

(* = packaging size for machine adjustment M 3, M 5 and M 10)

Service:

Our service team for application technology is available to you at any time without obligation.

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The information given within is without obligation and is based on practical experience as well as on experiments which we have carried out and are not attribute guaranties in the sense of the newest BGH legal requirements. We recommend that in any case users carry out their own tests since we have no influence over the large diversity of materials and their processing. No liability for the manufacturer can be derived from the contents of this data sheet. Statements going beyond or deviating from the contents of this data sheet require the written confirmation of the company headquarters. Our General Terms & Conditions apply in any case. With the release of this Technical Data Sheet all previous versions become obsolete