

Diotrol Holzleim D3

Diotrol Wood glue D3 – eco-friendly, highly resistant, waterproof

#85600

Description Diotrol Wood glue D3 is a ready-to-use and all-purpose 1-component cold wood glue. Thanks to its excellent resistance and high bonding strength, it is suitable for all indoor and outdoor applications. Especially for windows, front doors, furniture and element construction, as well as for damp rooms (e.g. kitchen, bathroom) and parquet. We recommend our special "M10" setting for use with gluing machines. Diotrol Wood glue D3 is generally discolouration-free and contains neither formaldehyde nor solvents.

Diotrol Wood glue D3 has been tested by ift Rosenheim and fulfils stress class D3 (DIN EN 204/205), DIN EN 14257 (WATT `91) >7.5 N/mm² at 80°C, as well as the guideline for bonding window corner joints in timber window construction. Diotrol Wood glue D3 also achieves excellent values in terms of joint tightness and adhesive strength even after weathering and therefore also fulfils the special requirements for laminated profiles for wooden windows.

Application area Indoors and outdoors.
All types of wood (hardwood, softwood and exotic woods), chipboard and laminate, as well as veneer and square-sawn timber (except PVC). For example, parquet and laminate laying (tongue and groove gluing), windows, doors, stairs, parquet and furniture (including damp rooms). Surface lamination of wood-based materials with (finish) foils, surface glueing of HPL, CPL.

Color White, colorless after drying

Packaging 500ml, 750ml, 6kg, 12kg, 29kg plastic containers

Storage Can be stored for at least 12 months in well-sealed original containers (plastic). Store in a cool (15 - 25°C) and dry place. Frost-resistant down to -20°C, **protect from permafrost**.
Do not allow to come into contact with iron.

Condition of substrate The wood must be clean and free of grease, resin and wax. The ideal processing temperature is between 15 - 20°C.
Ideally, the wood moisture content should not exceed 8 - 12%. In outdoor areas: 13% +/-2% (at a relative humidity of 60 - 70%).

Processing Pot life is approx. 5 – 8 minutes, depending on room temperature. Pot life is extended to 15 minutes if Diotrol Wood glue D3 is set on machine setting (M10).
Bring Diotrol Wood Glue D3 to room temperature before use. If the glue is undercooled or has been exposed to frost, allow it to thaw slowly in a room at normal temperature and stir well before use.
Diotrol Wood Glue D3 can be used in cold, hot or high-frequency processes. Suitable for manual or machine application.

Tools Application by brush, spatula, roller or glue application machine.

We recommend the use of V4A steel or indifferent plastic (e.g. PP, polyamide or Teflon) for parts that come into contact with glue. Avoid contact with metals (e.g. iron, brass, zinc, copper, aluminium).

Clean machines and appliances after use with cold or warm water using a commercially available cleaning concentrate.

Consumption 120 – 150 g/m² per application. May vary depending on the nature and absorbency of the substrate and the application method.

Presstime	Cold glueing	Hot glueing		
	between 15 – 20°C	40°C	70°C	80°C
Joint glueing	6 – 8 min	5 min	4 min	3 min
Veneering	8 – 10 min	5 min	3 min	2 min
Surface glueing	10 – 12 min	5 – 6 min	3 – 4 min	2 min

Further processing

- Cold glueing: after 25 – 30 minutes
- Hot glueing: after cooling

Depending on the temperature, application quantity, humidity, ventilation and absorbency of the substrate.

Remarks on discolouration Diotrol Wood glue D3 is in general discolouration-free

Please be aware that discolouration of the wood can be caused by wood ingredients (tannic acid, resin bleed). Varnishes and wood glues can also cause wood discolouration.

Therefore, carry out a preliminary test on a non-visible area.

Safety advice Please read safety data sheet.

Remarks This information is due to the current, technical know-how and is meant as recommendation and advice. Concerning all mentioned paint coat structures, we do not maintain completeness. Insufficient wood quality, lack of constructive wood-protection, drying cracks in solid wood and otherwise identified faults have to be admonished by the customer before painting or glazing. Because of the diversification and different kinds of substrates and practice, the user has to test our products mainly for his own purpose and has to use and apply them properly. For this, he is fully responsible. Verbal advice must be fixed obligatory by a signed document. If a new issue will be current, this edition will be no more available.

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