

TYTAN PROFESSIONAL WB-330 Wood Adhesive D3

One-component adhesive for cold and hot bonding of wood. Very quickly reaches the final strength. After hardening, it forms a durable, flexible and colourless joint, characterized by good temperature resistance and water resistance class D3 according to PN-en 204-D3. It does not contain organic solvents.



BENEFITS

- joint with increased humidity resistance
- the joint is characterized by good heat resistance and water resistance (class D3 according to PN-EN 204 standard)
- mixed with isocyanate hardener achieves water resistance of class D4 according to PN-EN 204 standard
- durable joint
- achieves final strength rapidly
- neutral odour
- solvent-free
- non-flammable
- can be used hot and cold
- application in hot conditions significantly shortens the production process
- high temperature resistance
- meets requirements of Watt 91

RECOMMENDED USES

- bonding all kinds of wood (including wood subject to humidity, e.g. kitchen, bathroom, garden furniture)
- bonding of hardwood and tropical wood
- bonding plywood
- bonding chipboard
- bonding other engineered wood materials

NORMS / ATESTS / CERTIFICATES

The product meets requirements of:

- Watt 91

Additional information

- Atest Rosenheim

TECHNICAL DATA

Uncured	Value
Base: water dispersion of polyvinyl acetate	+
Solid Content [%]	~53
Density [g/cm ³]	1,05 - 1,15
Viscosity, 23°C (Brookfield, 20 rpm) [cP]	~12000
Open time: 23°C and 50% RH [min]	<=10
Pressure time, 20°C [min]	15 - 20
Press pressure [N/mm ²]	0,2 - 0,6
pH value	2,5 - 3,5
Pressure time at 80°C [min]	2 - 3
Full cure time [h]	24
Consumption [g/m ²]	150 - 200

Cured	Value
Temperature resistance [°C]	<+80
Conditions of application	Value
Application temperature [°C]	+8 - +30
Wood humidity [%]	<8 - 12

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- Wood humidity can not exceed 8-12%.
- Bonded elements must be well-matched, dry, clean and degreased.

Product preparation

- Bonded elements and adhesive temperature prior to application must conform to recommendations in the table below.

Application

- Apply the adhesive on one of bonded surfaces using roller or brush.
- In case of hard wood it is recommended to apply the adhesive on both bonded surfaces.
- Join bonded surfaces and put under press.
- The setting time should be suitable to type of wood, its moisture content and working conditions such as temperature and humidity.

Works after completion of application

- Cleaning: water before curing, mechanically after curing.
- DO NOT WASH HANDS WITH SOLVENTS.

Remarks / restriction

- Before curing of the adhesive, avoid direct contact with steel due to risk of rust formation or blackening of joints.
- Because of its acidic character the D3 adhesives might cause discoloration of some types of wood.
- Full water resistance of joint is reached 7 days from application.

ADDITIONAL INFORMATION

All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on product hardening conditions (c.a., ambient, surface temperature, quality of used equipment and skills of person applying the product).

TRANSPORT / STORAGE

Warranted shelf life is 12 months from the manufacturing date when stored in unopened, original package at temperatures from +5 °C to +30 °C in a dry place protected from freezing and excessive heat.

Frost resistance: -20°C/5 cycles, before use bring to 23°C and mix well.

CATALOGUE DATA

Nominal capacity / volume / size	Colour	Number of pieces per collective package	Index	EAN Code
20 kg	N/A	ND	10017959	5903518059131
200 g	N/A	12	10017960	5903518052712
5 kg	N/A	1	10017961	5903518059124
750 g	white	12	10017962	5903518052811

SAFETY AND HEALTH PRECAUTIONS

For detailed information find Material Safety Data Sheet available at producer upon request. Disposal considerations: Product remains and empty cartridges must be disposed of in compliance with official, local regulations.

All written or oral information, recommendations and instructions are given according to our best knowledge, tests and experience, in good faith and in compliance with manufacturer's principles. Each user of this material will make sure in every possible way, including verification of the final product in proper conditions, about suitability of the supplied materials for their intended purposes. The manufacturer is not liable for any losses incurred due to inaccurate or erroneous application of the manufacturer's materials.