

PVAc D3 Glue with high heat resistance (WATT '91)**103.30****PVAc D4 glue with 5 % (ppw) of Jowat® Crosslinking Agent 195.40**

Application: For all bonding purposes requiring increased resistance to wet environments, e.g. for doors, windows and furniture in high-humidity areas. General-purpose glue for soft and hardwood bonding, as well as for particleboard and other wood-based substrates. For high frequency bonding, also for laying parquet and laminate (tongue-and-groove) flooring and for veneering purposes. Flat lamination of wood-based substrates with finish foils, pressure laminates in cold and warm pressing procedures, and HF methods. Also for paper doubling.

Characteristics/Directions for Use: If used correctly, Jowacoll® 103.30 will meet the requirements according to durability class D3 and meets the requirements of the EN 14257 (WATT '91) > 7.0 N/mm² (tested by the ift Rosenheim); with an addition of 5 % (ppw) of Jowat® Crosslinking Agent 195.40, the product will meet the durability class D4 according to the EN 204/205.

We recommend that all materials coming into contact with the glue are made of high-quality stainless steel (German standard V4A or better) or of inert plastics, e.g. Teflon, PP, polyamide. Avoid contact with other metals like zinc, brass, copper or aluminum. For more information, contact the equipment manufacturer or our technical service.

For all standard applicator systems. Reactive PVAc dispersions may undergo an increase in viscosity during the storage period, due to their components. Higher temperatures contribute to this increase in viscosity. The product should therefore be stirred before use.

Avoid contact with alkaline substrates or with iron, tanniferous wood may discolour.

Min. temp. for materials, glue and room air [°C]:	15 (not identical with min. temp. of film formation).
Glue application:	one- or two-sided
Quantity applied [g/m ²]:	150 – 200
Processing time Jowacoll® 103.30 + 5 % Crosslinking Agent 195.40 [h]:	max. 5
Open time [min.]:	5 – 8
Pressure [N/mm ²]:	> 0.5
Min. pressing time [min]:	
at RT:	approx. 30
at 50 °C:	approx. 4
at 90 °C:	approx. 1.5

Tested at 6 – 10 % wood moisture following the standard EN 204/205 with a glue application of approx. 150 g/m².

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09/11 All data indicated are characteristics represented as average values. Our technical data sheets are constantly revised to represent the latest state of technology. This edition is replacing all previous ones, and is valid on the date of compilation.
Please refer to last page for additional information.

Jowat 
Klebstoffe

Technical Data:	Viscosity [mPas]:	approx. 12,000 (Brookfield)
	Solids [%]:	approx. 52
	Density [g/cm ³]:	approx. 1.08
	pH value:	approx. 3.0
	Min. temp. of film formation [°C]:	approx. 10
	Appearance of the dry glue film:	colourless translucent

The data indicated refer to the glue without addition of crosslinker.

Cleaning: Machines and equipment may be cleaned after use with warm or cold water, using Jowat® Cleaner Concentrate 192.40.

Storage: May be stored for 6 months after date of delivery ex production site in properly closed original containers, cool and dry (15 – 25 °C). Protect against frost!

Packaging: Type of packaging and units upon request.

Remarks: For further information concerning handling, transport and disposal, please refer to the Material Safety Data Sheet.
Our information on this data sheet is based on test results from our laboratories as well as on experience gained in the field by our customers. It can, however, not cover all parameters for each specific application and is therefore not binding for us. The information given in this leaflet represents neither a performance guarantee nor a guarantee of properties, nature, condition, state or quality. No liability may be derived from these indications nor from the recommendations made by our free technical advisory service.

Jowat Information

Glueing as one of the most efficient methods of bonding is constantly gaining importance and expanding into new areas of application. At the same time, the number of substrates to be bonded is also growing at an unprecedented rate. New methods and equipment to process adhesives are developed.

The in-house R & D departments of the Jowat AG are responding with intensive efforts to keep pace with these constant changes. A highly qualified team of chemists and engineers is using the latest techniques and brightest ideas to provide the utmost in advice our customers and to make sure that they get the adhesive which meets their needs.

Our information is based on test results from our laboratories as well as on experience gained in the field by our customers. This advice, however, cannot cover all eventualities for each specific application and as such is not binding for us. Please, contact our technical service department in each case to find out what the actual technical state of development for the respective product is, and request the latest data sheet. Any use of our product without this precautionary measure would be your sole responsibility.

The processing company itself must therefore test the adhesives manufactured by us for suitability in each individual case. This applies to the first use of a sample as well as to modifications during an ongoing production.

We are therefore requesting all our new customers to test our adhesives for suitability on original parts at conditions equal to normal processing conditions. The bond has then to be subjected to the actual stress which it would undergo when in use and has to be assessed. This test is absolutely necessary.

Customers who undertake modifications during a running production are requested to pass this information on to us. Please notify us when machines are set to new parameters as well as when the substrates to be bonded are changed. Only then will the Jowat AG be able to provide our most up-to-date information to the processor using our adhesives.

The information given in this leaflet is based on practical experience and on results of tests in our laboratory, and does in no way constitute any guarantee of properties. No liability may be derived from these indications nor from the recommendations made by our technical advisory service.