



Jowacoll® 103.30



PVAc D3 adhesive for high requirements
Fast initial adhesion, short pressing time
High heat resistance
Meets IMO Resolution "low flame-spread characteristics"



Jowacoll® 103.30 is a PVAc adhesive for bonding hard and soft wood species as well as for the flat laminating of wood-based materials that will be exposed to high stress. Due to its special formulation, **Jowacoll® 103.30** meets IMO Resolution A.1/3.18 e “low flame-spread characteristics” and can be used for the finishing of ship interiors if the application amount does not exceed 150 g/m². The dispersion is classified a D3 adhesive in accordance with EN 204/205 and meets a tensile strength > 7.0 N/mm² according to EN 14257 (WATT '91).

Jowacoll® 103.30 is characterised by good water and heat resistance coupled with easy processing. The resistance to water can be increased further by mixing the glue with crosslinking agent **Jowat® 195.40**, in which case the adhesive will meet durability class D4.

Jowacoll® 103.30 can be applied manually as well as using industrial roller applicators, and it impresses with short drying times and fast process cycles. **Jowacoll® 103.30** stands out from other Jowacoll dispersions due to its fast initial strength.

Jowacoll® 103.30 complies with the guideline FFF-FKS-EMPA 08.03/2013 for window frame corner joints.



Jowacoll® 103.30

D3 dispersion with high water and heat resistance. First-class quality for hard and soft wood bonding as well as the flat laminating of wood-based materials with veneer, HPL or CPL.

Base

Durability class according to EN 204

polymerpolyvinyl acetate (PVAc)

D3

D4: with the addition of
5 wt% Jowat® 195.40

Viscosity at 20 °C [mPas]

12,500 ± 2,500

Open assembly time at 20 °C [min]

9 ± 3

Minimum pressing time [min]

RT: 10 minutes

50 °C: 4 minutes

90 °C: 1.5 minutes

* The data indicated above was determined at 6 – 10 % wood moisture following EN 204/205 (20 °C / 65 % RH), with a glue application of approx. 150 g/m².

Low formaldehyde emission

Reactive D3 dispersions contain a considerably higher amount of formaldehyde compared to standard PVAc glues. Formaldehyde is lost during a so-called condensation reaction. By optimising the manufacturing process, Jowat has successfully reduced the formaldehyde content. Formaldehyde emissions from **Jowacoll® 103.30** have thereby been cut by up to 80 % at the same level of water and temperature resistance.

Since 1 January 2012, new building products and furnishing articles that enter the French market must be classified and labelled according to their emissions. The different classification categories stipulate limits for the total amount of VOC (TVOC) emissions as well as an assessment of 10 individual substances, including formaldehyde (values expressed in micrograms per m³). **Jowacoll® 103.30** meets the requirements for category A+.

The information given in this leaflet is based on test results from our laboratories as well as on experience gained in the field, and does in no way constitute any guarantee of properties. Due to the wide variety of different applications, substrates, and processing methods that are beyond our control, no liability may be derived from these indications nor from the information provided by our free technical advisory service. Before processing, please request the corresponding data sheet and observe the information in it! Customer trials under everyday conditions, testing for suitability in normal processing conditions, and appropriate fit-for-purpose testing are absolutely necessary. For the specifications and for further information, please refer to the latest technical data sheets.