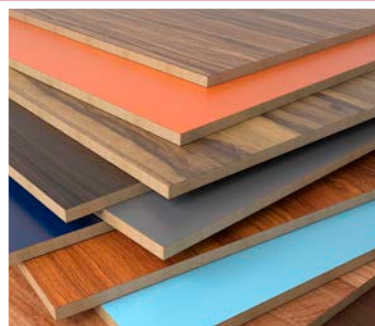




Jowacoll® 103.10



Multi-purpose PVAc D3 adhesive

Good adhesion to aluminium

Low formaldehyde emissions

High water resistance for solid wood gluing

**Short pressing times in flat laminating applications
of wood-based materials**

Jowacoll® 103.10 is a multifaceted “all-rounder” for bonding hard- and softwood as well as for the flat laminating of wood-based materials. The PVAc dispersion meets durability class D3 in accordance with EN 204/205. This means that **Jowacoll® 103.10** can be used for interior applications with frequent short-term exposure to running or condensed water and to high humidity.

Jowacoll® 103.10 impresses with good water resistance and easy processing. If the dispersion is mixed with crosslinking agent **Jowat® 195.40**, this will further increase the water resistance and the adhesive will meet durability class D4.

This PVAc dispersion has been met with very positive response due to its good processing characteristics.

Jowacoll® 103.10 offers maximum flexibility from small workshops with manual applications to industrial processes with roller applicators. It is the product of choice particularly for laminating aluminium foils to wood-based materials, for instance in the manufacturing of door leaves.



Jowacoll® 103.10

D3 dispersion with high water resistance. Multi-purpose glue for bonding hard- and softwood species or for the flat lamination of wood-based materials with veneer, HPL or CPL.

Polymer base		polyvinyl acetate (PVAc)
Durability class according to EN 204		D3 D4: with the addition of 5 wt% Jowat® 195.40
Viscosity at 20 °C	[mPas]	11,000 ± 2,000
Open assembly time at 20 °C	[min]	6 ± 2
Minimum pressing time	[min]	RT: 15 minutes 50 °C: 4 minutes 90 °C: 1.5 minutes

* The values above were determined at a wood moisture content of 6 – 10 % following DIN EN 204/205 (20 °C / 65 % RH) with a glue application amount of approx. 150 g/m².

Low formaldehyde emissions

Reactive D3 dispersions contain a considerably higher amount of formaldehyde compared to standard PVAc dispersions. Formaldehyde is lost due to a so-called condensation reaction. By optimising the manufacturing procedure, Jowat has succeeded in significantly reducing the formaldehyde content. Formaldehyde emissions from **Jowacoll® 103.10** 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 which enter the French market have to be classified and labelled based on 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® 103.10** 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 range of different applications, substrates, and processing methods 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 at normal processing conditions, and appropriate fit-for-purpose testing are absolutely necessary. For the specifications as well as further information, please refer to the latest technical data sheets.