



Jowat® 950.50



For classic veneering and flat lamination

UF resin for hot and cold curing

Powder form for easy transport and storage

**Low-formaldehyde bonding for furniture construction
and interior fittings**

Wood-based material lamination is one of the most important applications for all types of adhesives in the standard production of furniture. The range of bonding products is constantly expanded, for instance with thermoplastic hot melt adhesives, liquid dispersion glues and reactive hot melts based on polyurethane (PUR). In the field of thermosetting adhesives based on polycondensation resins, urea formaldehyde resin glues (UF resins) are the most significant group of products. They are widely used in the general production of furniture due to major benefits such as low manufacturing costs, short setting times (hardening), and high bond strengths.

Jowat® 950.50 is a UF resin for hot and cold curing, especially for classic veneering and for flat lamination with pressure laminates such as HPL (High Pressure Laminates) or CPL (Continuous Pressure Laminates). Due to an integrated hardener, the formaldehyde glue is prepared by simply mixing the powder with water (mixing ratio by weight powder : water 2:1). The advantage of cold-curing adhesives is that they facilitate a tension-free bonding of materials because no heat input is required.

Benefits

- ✓ **Simplicity.** The powder form of the adhesive provides a major advantage in countries with extreme climatic conditions (very cold or very hot). The glue is prepared shortly before processing depending on the local need. This facilitates a safe transport and storing of the adhesive.
- ✓ **Versatility.** For a more elastic glue line with improved adhesion (e.g. for difficult-to-bond veneers), the adhesive can be mixed with 10 – 20 % of PVAc dispersion (for instance **Jowacoll® 113.10**).
- ✓ **Efficiency.** Cold-curing adhesives can be processed without additional energy (no hot press required)

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UF resin for bonding veneer, decor papers and pressure laminates (HPL, CPL) to wood-based substrates. For hot and cold presses, as well as for the manufacture of plywood form parts in high-frequency presses and solid wood bonding.

Base polymer		urea formaldehyde resin (UF)
Bulk density	[g/l]	approx. 610 (powder)
Resin content	[%]	approx. 70
Appearance		beige
Pot life at 20 °C	[h]	< 3
Open time	[min]	approx. 15
Minimum pressing temperature	[°C]	approx. 20
Supply form		powder

INFO-BOX | Pressing

Pressure [N/mm ²]	> 0.5			
Pressing temperature [°C]	20	30	70	100
Minimum pressing time [min]	180	65	3	40 [s]

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