

Glulam

- 1-component PUR prepolymers for glulam
- With approval for building applications
- Free of formaldehyde

Jowapur® 680.20

Jowapur® 686.20/30/70



Jowapur® with Certificate!



Jowat is adding several new products to its range of 1-component PUR prepolymers approved for building purposes, for load-bearing construction purposes.

Recently, the group of **Jowapur®** adhesives certified for load-bearing glulam construction has been expanded. At this time, 6 adhesives are available, each of these has different and very specific processing parameters. These products are responding perfectly to all processing requirements in load-bearing glulam construction.

In contrast to some other applications where the developments go into the direction of one adhesive for the largest variety of applications, Jowat has decided for the sector of approved prepolymers to supply a special adhesive for each application segment that is the best choice for each individual requirement.

The current adhesives from the **Jowapur®** series with approval for building purposes differ substantially by composition, properties, and processing parameters, since they were tailored for each specific purpose. These adhesives are therefore the optimum answer for each individual step to manufacture load-bearing glulam components.

Below a summary of the advantages of using 1-component PUR adhesives for bonding load-bearing timber parts compared to the use of condensation resins:

1-component PUR adhesives...

- ... are totally free of formaldehyde
- ... require a much lower application amount
- ... already cure at ambient temperatures in only a few minutes form a neutral, invisible bondline
- ... are to be processed in one component, therefore no premixing, no pot life and no leftovers from production.

The adhesives from the **Jowapur®** series offer singular advantages: For instance, **Jowapur®** adhesives foam very little. This means that in intermediate stacking, or when laminated timber is placed side-by-side, the parts no longer stick together, and machine soiling is reduced to a minimum. When fed into the planer, the lines operate more smoothly which will clearly improve the quality of planing of the laminated timbers.

The special production method developed by Jowat, and also the chemical additives that serve to stabilise the adhesive, will prevent any separation of the reinforcing fibre additives even when stock time is long and temperatures are high. During the entire processing time, the adhesive will not form lumps and this means of course that any clogging of the application nozzles is prevented.

Jowapur® 680.20 -fibre-free-

Developed and certified for bonding fingerjoints for load-bearing timber components, processing with applicator comb, as well as with all standard contactless adhesive application systems.

Although **Jowapur® 680.20** is fibre-free, it will also not lead to slippage of the pressed fingerjoints, thanks to its special formulation especially for this type of assembly. **Jowapur® 680.20** is the first certified 1-component PUR prepolymer adhesive with a minimum pressing time of 15 minutes which is lower than the open assembly time for this product of 20 minutes.

Open assembly time	20 min
Minimum cure time	15 min

Jowapur® 686.20 -fibre-reinforced-

Developed and certified for bonding fingerjointed components for load-bearing construction, processing with applicator comb, as well as with all standard contactless adhesive application systems.

The reinforcing fibres contained in **Jowapur® 686.20** act as anchors in the bondline, and thereby prevent any slippage of the pressed fingerjoints during production and cure.

Open assembly time	10 min
Minimum cure time	30 min

Jowapur® 686.30 -fibre-reinforced-

Developed and certified for the manufacture of bonded timber components, can be used for fingerjointing as well as for laminated timbers.

The short processing times make **Jowapur® 686.30** the product of choice for fast, flexible manufacturing processes where short feed press intervals go along with short cure times. Up to 10 loads into the press per shift can be realized using **Jowapur® 686.30**.

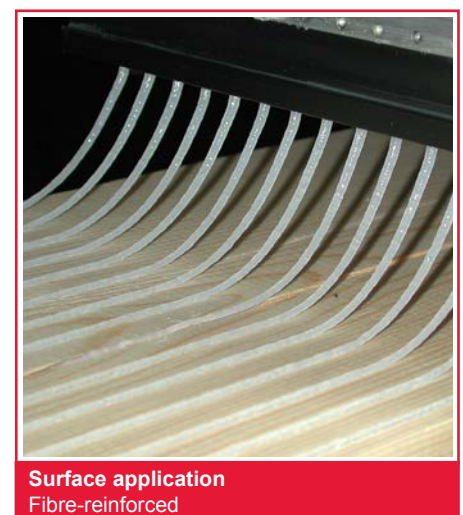
Open assembly time	15 min
Minimum cure time	45 min

Jowapur® 686.70 -fibre-reinforced-

Developed and certified for the manufacture of bonded timber components, can be used for fingerjointing as well as for laminated timbers, especially for the manufacture of cross-laminated timber.

Due to the long open time, **Jowapur® 686.70** is suitable for processes where batches are big or the components are large. Thanks to the relatively short minimum pressing time, it is usually still possible to process 3 loads per shift.

Open assembly time	60 min
Minimum cure time	75 min



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