Technical Data Sheet

AQUENCE® WL 2001

October 2024

Product description

AQUENCE® WL 2001 provides the following product characteristics:

Technology	PVA dispersion
Product type	Hardwood Glue
Application	Assembly
Appearance	slightly yellow transparent after drying

Application areas

- Gluing of hardwoods
- Gluing of chair frame
- Gluing chair and sofa frames and other highly stressed furniture components
- Table manufacture

Product properties

- High viscosity
- Short setting time
- Medium open time
- Gives tough-elastic glue joints
- Workable glue joints
- High bonding strength after short clamp or pressure time
- Particularly high joint strength
- Resistant to static and dynamic stresses
- High moisture resistance in compliance with D2 as per EN 204

Technical data

AQUENCE® WL 2001:

Minimum film formation temperature, °C (MFFT) DIN 53787	~+4
Viscosity, Brookfield - RVT, 6/20/23, mPa.s. ISO 2555	13,000 to 16,000
pH value (20 °C) ISO 976	4 to 6

Direction of use

Preliminary statement:
Prior to use it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Instructions for use

Open time

Open time (beech/beech):

Quantity applied 150 g/m², minutes	~8
Quantity applied 200 g/m², minutes	~12

Pressing time

Surface bonding (Chipboard/HPL):

Chipboard/HPL approx. 100 g/m², minutes	≥10
Chipboard/HPL approx. 200 g/m², minutes	≥20

The data shown is based on 8 - 12 % wood moisture, 20°C room and material temperature, 65 % relative airhumidity and 0.5 N/mm² pressure.

The actual open and setting times will depend heavily on the working conditions such as temperature, humidity and absorption of the wood, surface characteristics, stresses in the material and application thickness of the glue, etc.

The working temperature of the workpiece and glue should be at least + 10°C.

Ensure that the parts to be bonded are close fitting and free from dust and grease.

Fit tolerances increase the setting time and reduce the bonding strength.

AQUENCE dispersion glues themselves do not give rise to discoloration of the wood. Metal parts, however, may cause discoloration, due to their reaction with the tannin of the wood (especially with oak).

Usually, application of the glue to one side only is sufficient. Applying glue to both sides, however, is recommended when gluing difficult-to-bond woods and hardwood, in order to improve bonding strength; in this case the open time is increased.

Cleaning
Equipment used to apply the glue may be cleaned easily using cold or luke-warm water before the adhesive has dried hard. Hard dried glue remnants have to be removed mechanically.

Storage
Store in the original tighly closed container in a cool, dry place away from frost.
Stir well before use.
Storage life up to 12 months.

Classification
Please refer to the corresponding **Safety Data Sheet** for details on:
Hazardous Information
Transport Regulations
Safety Regulations

Additional information

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