

unitol® 09874

wetzel
adhesive solutions

Wetzel GmbH
Hohe Warth 15-21
D-32052 Herford
St. Nr.: 324/5734/1583
UST-IdNr.: DE 283 558 235
Tel.: +49 (0) 52 21 / 77 01-0
Fax: +49 (0) 52 21 / 715 46
email: info@wetzel-klebstoffe.de
www.wetzel-klebstoffe.de

polyvinylacetat dispersion

Characteristics

UNITOL 09874 is an aqueous polyvinylacetate dispersion with crosslinking properties and a lowered minimum film forming temperature. The special features are an excellent water resistance as D3 class according to EN 204, a high bond strength and heat resistance according to WATT 91 and a good setting time.

The film is slightly opaque and tack-free, no discolouration on oak.

Recommended Application Areas

Water resistant wood glues according to DIN EN 204 durability class D3 or D4 together with isocyanates, e. g. UNITOL 09824.

- Bonding of laminate boards
- Bonding of windows and doors
- Bonding in high frequency fields

Specification

Solid content	(DIN ISO 1625; 2h; 105°C)	50 ± 1%
Viscosity	(DIN EN ISO 2555; spindle no. 6; 20 rpm; 23°C)	12.000 ± 3.000 mPa.s
pH value	(DIN ISO 976)	3,2 ± 0,4

Additional Data

Particle size	0.1 – 2,0 µm
Minimum film forming temperature (MFFT) (DIN 53787 / ISO 2115)	approx. 5°C
Glass transition temperature (Tg) (DIN 53765; DCC; heating rate 10 K/min)	approx. 27°C

Applications

UNITOL 09874 is successfully used as a mono-component vinylacetate adhesive. It has a medium viscosity and reactive groups. UNITOL 09874 is qualified for water resistant wood glues and paper adhesives. The dispersion exhibits a rapid increase in bond strength when being pressed at temperatures of approx. 20°C as well as higher temperatures between 50 and 100°C.

Application Methods

With glue application devices and manually with paint brush, spatula or glue roller

Application techniques

The materials to be bonded must be free from dust, oil and grease and be acclimatized.

Wetzel GmbH
Hohe Warth 15-21
D-32052 Herford
St. Nr.: 324/5734/1583
USt-IdNr.: DE 283 558 235
Tel.: +49 (0) 52 21 / 77 01-0
Fax: +49 (0) 52 21 / 715 46
email: info@wetzel-klebstoffe.de
www.wetzel-klebstoffe.de

Best moisture content:	8 – 12 °C	
Best processing temperature:	18 – 20 °C	(Do not press below +5 °C!)
Applications quantity:	130 – 180 g/mm ²	
Open time:	5 – 7 minutes	
Press power:	0,2 – 0,5 N/mm ²	

Press times:	joint bonding	20 °C	from 35 minutes
	surface bonding (HPL)	20 °C	from 40 minutes
	surface bonding (HPL)	40 °C	from 12 minutes
	surface bonding (HPL)	60 °C	from 7 minutes
	surface bonding (HPL)	80 °C	from 2 minutes

Cleaning

Application devices and machines can be cleaned with water.

Storage

UNITOL 09874 can be stored in factory sealed containers or drums for 6 months. The glue must be protected from frost and direct exposure to sunshine. Furthermore it must be ensured that already opened drums or containers are always tightly closed.

Industrial Safety and Environmental Protection

Not a hazardous substance within the meaning of the current Dangerous Substance Regulations (GefStoffV).

A safety data sheet is available on request.

Service

The consultancy of our application department is available at any time without obligation.

The information is based on our present state of knowledge and on our experiments to date. It is to be considered as information without obligation. Please test and establish for yourself our product's suitability for your particular purposes. No liability exceeding the value of our product can be derived from the foregoing statements. This also applies to the technical advisory service which is rendered free of charge and without obligation.

06/10