

unitol[®] 00516

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modified polyvinylacetat dispersion

Characteristics

UNITOL 00516 is a special modified polyvinylacetate dispersion with opaque-transparent hardening glue joint. Because the high film forming temperature of 14 °C is it only conditionally usable for cold setting. It is qualified for warm and hot setting.

Recommended Application Areas

UNITOL 00516 is used for crossfeed splicing machines processing preglued rotary cut or sliced veneer strips of different widths to so-called carpets or preselected cut-to-size layons.

Specification

Viscosity at 20° C (DIN 53019) ¹⁾:

4200 – 5000 mPa.s

Solid content:

54 – 56 %

1) measured at manufacture's day

Glue Application

Applications quantity:

80 – 100 g/m² (two -sided)

Apply UNITOL 00516 thinly and uniform distributed to both sides. After a longer time working in a glue application machine and a slight glue extraction the viscosity will be increased. Therefore the glue application will be also increased and a marking of the glue joint is possible. You can get the originally viscosity through pour fresh glue or small amount of water into the spreading machine or through changing the glue.

The glue should not be touch with iron, because the using of wood with a high part of tanning agent, e. g. oak, there is a possibility/danger/hazard for discolouration.

General Processing Conditions

Material and ambient temperature:

18 – 20 °C

Wood humidity:

8 – 12 %

Relative air humidity:

60 – 70 %

Minimal processing temperature:

+ 14 °C

The addition of diluting agents, filler substances, water etc. will alter the adhesives properties of UNITOL 00516.

Sealing Temperature and Sealing Time

Seal(ing) temperature: 120 – 150 °C
Seal(ing) time: 0,3 – 1 sec

The accurate recommendations depends on particular circumstances, e. g. room and material temperature, wood humidity, species of wood, glue application amount. That's way our information are only approximate values. Exact values are determine under processing conditions.

Cleaning

Application devices and machines can be cleaned with water.

Storage

UNITOL 00516 can be stored in well-closed factory seales, containers or drums for 12 months. The storage should be cool in summer and frost-protected in winter. Stir after a longer storage time. If the glue is frozen, before use bring carefully up to room temperature and stir well. You can use it, when it gets its original viscosity.

Miscellaneous information

Please contact our application technology advisory service if you need help with your gluing problems. All recommendations are given to the best of our knowledge based on trials and experience. However, given the variety of operating conditions, types of wood, derived timber products and possibilities of application, they should only be considered as non-binding advice. The information provided does not constitute a guarantee of characteristics or properties in the legal sense (as established by the German Federal Court of Justice). Therefore, it is imperative for the customer to perform their own trials prior to application and processing/modification of the materials to be glued.