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We look forward to providing you with more information about our latest innovations.

Everad® ADW 2140

1C PVAc adhesive, water-resistant D3, D4 with Everad® ADU 910 (according EN 204 standard) and heat resistant according Watt 91 > 7N/mm²

Description

Base:
PVAc-dispersion
Form: Liquid
Colour: White
Density:
Approx. 1.1 g/ml
Viscosity:
Approx. 11'500 mPa·s (Brookfield, 3/20).
Viscosity measured after production. Values may fluctuate up or down during the storage of the product.
pH value:
Approx. 3
Chalking point:
+ 7 °C
Flammability:
As aqueous adhesive, non-flammable
Storage:
Cool and dry in unopened original packaging 9 months after production. (sensitive to frost)
Packaging:
Bucket 30 kg, Drum 240 kg, 1135 kg Container.

Application Data

Preparation:
Adhesive surfaces must be plane, clean, and free of grease. Metal surfaces can be covered with a surface protective cover which must be removed.
Application temperature:
At least +12 °C
Wood and material moisture content: 8-12%, depending on application Method of application:
Brush, roller, spatula, coating appliances
Application quantity:
Surface lamination 80-150 g/m² Assembly glueing 150-200 g/m² Open time:
Up to 12 minutes, according to substrate and application quantity
Closed open time:
Up to 15 minutes at 20 °C
Press method:
Bonding rack, hydraulic press, screw clamps
Pressure:
0.1-0.8 N/mm²
Press time:
High frequency bonding from 15 sec. onwards, surface lamination at 70 °C from 40 sec. onwards, assembly bonding 8-15 min.
Wood-metal bonding at 20°C; > 60 minutes
Initial strength: After press time Final strength:
After 7 days
Further processing:
After 2 hours / Wood-metal bonding ≥ 5 hours
Discoloration:
In contact with iron, adhesive may cause wood discoloration.
Clean-up:
With water before adhesive has dried.

Usage

For window and door bonding, divider and element manufacture, for general bonding of woods and composites in kitchen, laboratory, and interior construction as well as for the protected outdoor area. For adhesive bonding of bare and brushed aluminium sheet, chrome-plated steel and un-corroded metals onto particleboard, wood fiber panels and plywood, and for laminating barrier veneers onto aluminium. Anodized alumium only after preliminary examination. Suitable for high frequency bonding.
Before using, ensure through testing that the product complies with the expected use.

Application

Apply adhesive to one surface, in case of hard and exotic woods as well as slot/peg joints to both surfaces. For edge bonding and softforming with KA process, only edge materials pre-coated with Everad® ADW 2140 may be used.
Indicated press times are reference values only and may significantly deviate depending on application and material properties.
Application with hardener:
Add 5% by weight of Everad® ADU 910 and mix well.
Everad® ADW 2140 can be processed as D4-adhesive within 12 hours after adding of hardener.
Metal bonding always run withour hardener.
Attention:
The data is based on tests carried out where wood moisture was 12% and temperature 20 °C with 65% relative humidity.
Due to the risk of corrosion, all parts which come in contact with this glue during processing must be made of stainless steel (quality V4A) or synthetic material.
Safety:
Please follow instructions on the safety data sheet.

Requirements

Water resistance:
D3 according to EN 204.
With 5% Everad® ADU 910 class D4 according to EN 204.
Temperature resistance:
>7 N/mm² at 80 °C according to EN 14257 (Watt 91) Comply with directive FFF-FKD-EMPA 08.03/2013