

DUVILAX® D3 Rapid

Properties

Homopolymeric polyvinyl acetate dispersion in the aqueous environment without fillers. It is biodegradable.

Application

Duvilax D3 Rapid is one component wood glue with rapid creation of joint, moisture-resistant according to EN 204 category D3. It is suitable for bonding field joints and printed circuit boards, for bonding veneers, frames, longitudinal joining, manufacture of windows, doors, furniture, flooring and joinery. It bonds hardwood, softwood, chipboard and agglomerated cellulosic material. The joint can be mechanically stressed after 6 hours. Duvilax D3 Rapid is designed for bonding objects to be placed out-doors protected from weather or indoors with frequent short-term influence of water or condensate of air humidity or long-term effects of high air humidity. It is used in the original condition and must not be diluted or otherwise treated.

Duvilax D3 Rapid can be used for bonding materials which will be in contact with food and for production of children's toys.

Storage

Duvilax D3 Rapid is stored in the original, undamaged and closed packages, at the temperature ranging from 5°C to 40 °C. It must not be exposed to direct sunlight.

Packaging

plastic packages: 0,5 kg bottle, 1kg, 3kg, 5kg and 10kg pails, 30kg keg, 125kg barrel; steel barrel 200 kg, 220 kg; plastic container 1,000 kg.

Updated: 05/2017

This technical data sheet cancels all previous versions and replaces them. Information contained therein are not binding and are only of an informative and general character. They are based on our own experience, research and objective testing. The product meets the above specifications only during the warranty period and under the conditions in this data sheet. The company Duslo, Inc. does not guarantee the suitability of the product for a particular purpose. Use of the product for a specific purpose, including suitability for a particular purpose and methods of its use, is the customer obliged to test in specific technology conditions. Information relating to health and safety at work are provided in the Material Safety Data Sheet. More product information, details and contacts are available on www.duslo.sk. Written and / or oral advice, relating to a product, has the character of a non-binding recommendation.

Parameters

appearance	viscous liquid of white colour
dry matter content	min. 45,0 %
viscosity	3 000 – 8 000 mPa.s (Rheotest) 5 000 –20 000 mPa.s (Brookfield RVT, ISO 2555)

The said viscosity value applies at the time of manufacture. Increasing the viscosity of the adhesive during storage is its natural feature, after mixing the adhesive can be used again.

pH	3 – 6
min. film forming temperature	10 °C
shear bond strength (beech-beech)	min. 10 MPa
resistance class according to EN 204:	D3
film properties	transparent, hard, brittle and non-sticky

Gluing conditions

working temperature	min. 15 °C, for bonding with heating max. 100 °C
glued panels humidity	8 – 12 %
consumption (recommended)	100 – 150 g/m ²
way of application	brush, squeegee, roller, nozzle
press power	min. 0,7 MPa
press working time	10-40 minutes according to the type of a joint and conditions of glueing
time of drying at 20°C	ca. 6 hours
open period	ca 8-10 minutes

Warranty

The guarantee period for the product delivered in packing up to 15 kg gross is 12 months. For the rest of the packagings it is 6 months, in the case of keeping the storage conditions mentioned above.