

DUVILAX® LS-50

Properties

Homopolymeric polyvinyl acetate dispersion in the aqueous environment. The emulsion system consists of a non-ionic emulsifier and polyvinyl alcohol as a protective colloid. It is biodegradable.

Application

Duvilax LS-50 is a standard adhesive for wood and interior. It is used for bonding the mounting joints in furniture, for glueing solid wood – tenon joints, simple cog, cut, miter, etc. A glued item may be further worked after elapsing 24 hours from glueing. In addition, it glues paper, cardboard, textile, cork and other absorbent materials with each other. It is used in the original consistency and dilution or another treatment is not recommended. Duvilax LS 50 may be applied for glueing materials coming into contact with food and for children's toys.

Storage

Duvilax LS-50 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: 1kg, 3kg, 5kg and 10kg pails, 30kg keg, 125kg barrel; steel barrel 200 kg, 220 kg; plastic container 1,000 kg;

Parameters

appearance	viscous liquid of white colour
dry matter content	50 ± 2%
viscosity	3 000 – 6 500 mPa.s (Rheotest) 6 000 –25 000 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	4 – 6
min. film forming temperature	12 °C
shear bond strength (beech-beech)	min. 10 MPa
resistance class according to EN 204:	D2
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)	120 – 200 g/m ²
way of application	brush, squeegee, roller, nozzle
press power	min. 0,7 MPa
press working time	20 – 40 minutes according to the type of a joint and conditions of glueing
time of drying at 20 °C	ca. 24 hours
open period	ca 5 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.

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.