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POLYVINYL ACETATE MTM ADHESIVE

TM – Trademark of VEK LLC
M – For furniture

PVA MTM - as a single component adhesive corresponds to durability class D2 and applied for gluing wood, paper products, cardboard, leather and fabrics. Suitable for gluing linoleum, carpet, facing tile, synthetic wall coatings on a paper basis, fiberglass, vinyl and paper wall coverings, cork, calico strip, building nets and bandages. Generally used for gluing decorative paper-laminated plastic to fibreboard, particle board, medium density fibreboard and to other materials. And also for augmentation of water resistance and for increase of hardness concrete, plaster and putty compositions. On properties is analog of Mowilith DLR of production Celanese - Germany.

Chemical properties

PVA MTM - is aqueous polyvinyl acetate dispersion

Properties

- Is easily applied on adherents
- Transparent and high elasticity of a film
- Forms an elastic glue line
- Stability to mechanical agitating
- Good water resistance and scrub resistance
- Low water absorption
- Is nontoxic, after drying the film does not evolve harmful materials

Product specifications

Appearance

The white viscous liquid, without lumps and foreign substances, with particle size 1-3 microns. The top skin is supposed.

Solids content

%

50

pH value

6.0 - 8.0

Brookfield viscosity,

cps

6000 - 15000

(LVDV II+ PRO) sp. 63/20 rpm

Other properties of product

Gluing ability	lbs/gal	500 (0.5)
Minimum film forming temperature	°C	approx + 3
Glass transition temperature	°C	approx + 18
Plasticizer content	%	plasticized

Film properties

Film appearance	Transparent
Flexibility	Good
Resistance to ageing	High
Resistance to light	Strong

Applications

Ranges of application

PVA M™ - is general-purpose binder, mainly used for the following applications:

- Gluing windows and doors
 - Manufacturing of a panel and mosaic parquets
 - Manufacturing of dividing walls
 - Manufacturing of ladders
 - Gluing of sandwich plates
 - Gluing of thorny joints
 - Gluing of hard and tropical breeds of wood
 - High-frequency gluing
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Processing

Before using the PVA M™ it is necessary to blend or shake up till homogeneous mass. Bonding surfaces pretreat from dust, resin, fat stain and other contaminants. It should be thin on one of the gluing surface, thereafter connect with other and slightly press. At increased requirements to bond strength, the PVA M™ should coat on both bonded surfaces. As far as possible put them under press. Glue consumption makes 50-300 gr. on 1m² depending on the structure of bonded bases. Recommended temperature must not be below +10 °C, relative humidity above 80%.

Safety

General

In process of recycling should be provided effective ventilation and personal skin protection equipments and safety glasses. In case of eye/skin contact with a product rinse your eyes/skin in plenty of water. PVA M™ is nonhazardous. On toxic properties labels to 3 class - product is moderate dangerous.

Storage

PVA M™ should be stored in a tightly closed container in a dry place at temperature not below +5 °C. It should not be exposed to powerful heating and freezing. It has a shelf life of 12 months from the manufacturing date.

Packaging

All PVA adhesives produced by the company are packaged in modern plastic containers in weight on 800 gr. and in industrial containers: plastic barrels with capacity from 40 to 60 kg. or steel barrels with capacity 200 kg., as well as in any other form of packaging under the agreement with consumer.

Transportation

PVA M™ is transported in sealed plastic barrels (steel with plastic liner) at temperature not below +5 °C.

Note

The information contained in this publication are based on our current knowledge and experience and is intended to provide general notes on our products and their uses. Any other intended applications should be discussed with VEK LLC. In view of the many factors that may affect processing and application of our product, this information does not rescue processors from carrying out their own researches and assays. VEK LLC DOES NOT ASSUME RESPONSIBILITY FOR ANY RESULTS OBTAINED BY PERSONS OVER WHOSE METHODS VEK LLC HAS NO CONTROL AND EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE SUITABILITY OF THE PRODUCTS FOR ANY SPECIFIC OR PARTICULAR PURPOSES INTENDED BY THE USER. The user of the products is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

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