

**GLUE**

**V**

**(**

**PVAD)**

Polyvinyl acetate dispersions (PVAD) - are produced using a extensive range of applications in acetate resin

Due to universal adhesive and bonding properties, firmness to ageing, a high gluing ability and ecological

### **Chemical properties**

Polyvinyl acetate dispersion (PVAD) without plasticizer

### **Properties**

□ Is easily applied on adherents

□ Transparent and high elasticity of a film

- A high gluing ability
- Forms an elastic glue line
- Stability to mechanical agitating
- Good water resistance and scrub resistance
- Is nontoxic, after drying the film does not evolve harmful materials

### **Product specifications**

The basic Technical Data of PVAD V on TSh 64-15329272-01:2003 (with Change №1,2,3,4) and GOST

Appearance

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

Solids content

49 %

Dynamic viscosity

1.0 - 4.0 mPa•s

pH value

4.7 - 6.0

Frost resistance, cycles, (freezing - thawing) not less

frost-resistant, 4 cycle, (after freezing and next thawing properties are not changing)

Gluing ability

450 (0.4) kgs/sm

Sedimentation at dilution, not more

5 %

Plasticizer content

unplasticized

### Film properties

Film appearance

Transparent

Flexibility

Good

Resistance to ageing

High

Resistance to light

Strong

### Ranges of application □ □ □ □ □

PVAD V - is general-purpose binder, mainly used for the following applications.

- As a glue at manufacturing various leather accessories (handbags, purses, etc.)
  
- As an adhesive for a paper, cardboard, wood, plywood and cotton, at production of tare and packing from a paper and cardboard, a corrugated cardboard and wood, and also for gluing labels (except the food-processing industry)
  
- As a binder in water emulsion paints
  
- As a binder for production polymer-cements, polymer concretes, and seamless floorings
  
- As a glue at production of binding-stitching works
  
- As a glue for tare from a paper, cardboard and tree, intended for packaging of foodstuff provided that they not contact with a glue, and also tare for clothes, footwear and etc.

□ As a glue for facing ceramic floor and front tiles, as a finishing agent for fabric finishing; in production of fibre glasses and canvas glasses

□ As a sizing agent by production of a shoe board

□ As a binder at manufacturing glue for furniture industry

□ As a glue in production of tobacco goods

### **Processing**

Before using the PVAD V it is necessary to blend or shake. 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 PVAD V should coat on both bonded surfaces. As far as possible put them under press. Glue consumption makes 50-300 gr. on 1m<sup>2</sup> depending on the structure of bonded bases. Recommended temperature must not be below +10 °C, relative humidity above 80%. In stated conditions dispersion dries up in a day after coating.

### **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. PVAD V is nonhazardous. On toxic properties labels to 3 class - product is moderate dangerous.

## **Storage**

Unplasticized dispersion 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. Frozen dispersion should be thawed in a warm premises or reheat in tare to temperature not above +80 °C without using open fire at blending. Separation of transparent fluid at storage is possible. Unplasticized dispersion has a shelf life of 12 months from the manufacturing date.

## **Packaging**

All dispersions 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**

PVAD V is transported in sealed barrels (steel with plastic liner) at temperature not below -40 °C. Handling time of unplasticized dispersion at temperature below 0 °C should not exceed one month.