

® Polyfam 450

Technical Data Sheet

Characteristics

®Polyfam 450 is a non-plasticized aqueous dispersion based on vinyl acetate and acrylic esters.

Stabilization

Surfactants

Recommended Application Areas

Veneering adhesives

Specification

These technical data are determined for each batch before its release by our quality control laboratory.

| | Unit | Value | Dev. |
|---|---------------|---------|------|
| Solids content (ISO 3251: 1h; 105 °C) | % | 50 ± | 1 |
| Viscosity (ISO 2555; Spindle no. 5; 20 rpm; 23 °C) Brookfield-viscometer RVT | mPa.s (cP) | 11000 ± | 4000 |
| pH value (ISO 976) | | 4.5 ± | 0.5 |

Additional Data

These data are solely to describe the product. They are not subject to constant monitoring or part of the specification.

| | Unit | Value |
|--|-------------------|---------------------|
| Dispersion | | |
| Minimum film forming temperature (MFFT) (ISO 2115) | °C | approx 10 |
| Density (ISO 2811) | g/cm ³ | approx 1.08 |
| Film * | | |
| Appearance | | Clear and tack-free |
| Hardness, Koenig (ISO 1522) | s | 87 |

* Force dried at 60°C for 2hr and at 21°C for 24hr and 53% relative humidity (ISO 3270)

Tested at 23°C and 53% relative humidity (ISO 3270)

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

Applications

®Polyfam 450 imparts good adhesion when used as pressing adhesive.

Processing

®Polyfam 450 dries at temperatures higher than approx. 10 °C to form clear and tack free films.

It is recommended to use this adhesive about 1 kg per each square meter of the chipboard's surface area. After adjusting the HPL on the surface, it should be set under a pressure of 180 bar at temperatures up to 80-110 °C within 30-45 seconds.

For compounding adhesives based on ®Polyfam 450, the usual equipment of the adhesive industry can be used. When considering the suitability of blends with other dispersions, even with related ones, it is compulsory to examine closely the compatibility of the components and the stability of the blends.

Preservation and Storage

The dispersion contains some initial preservatives to prevent attack by micro organisms. In order that the product is also sufficiently protected against microbial contamination during further storage in opened drums or storage tanks, a suitable preservative should be added despite our preliminary preservation measures.

Prior to use, ®Polyfam 450 should be stored for no longer than 6 months at temperatures as constant as possible between 0 and 35 °C and must be protected from frost and direct exposure to sunshine. Furthermore, it must be ensured that already opened drums or containers are always tightly closed.

The technical data ascertained by our quality control laboratory at the time of product release may vary according to the storage conditions and may deviate from the stated limits.

Industry Safety and Environmental Protection

Not a hazardous substance.

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