

deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

TECHNICAL DATA SHEET

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Technical Data Sheet

Acrylic Dispersion B 500

Acrylic Dispersion B 500 is an aqueous dispersion of a nonionic stabilized thermoplastic acrylic polymer.

Property	Value	Unit	Method*
Solids Content	50	%	ISO 3251
pH Value	9,5		ISO 976
Viscosity	1-5	Pa s	ISO 1652
Glass Transition Temperature	9	°C	
Density	1,07	g/cm ³	
Mean Particle Size	0,15	µm	
Minimum Film-Forming Temperature	7	°C	
Surface Tension	40	mN/m	
Water Absorption (24h)	15	%	
Tensile Strength	3	N/mm ²	
Elongation at Break	500	%	

* internal method based upon the specified norm

Application Advice

Film properties: Evaporation of the water above the minimum film-forming temperature leaves a transparent, cloudy film which is soft, extensible and slightly tacky at room temperature. - By mixing Acrylic Dispersion B 500 with other emulsions from the Acrylic Dispersion B 500 range, the film properties of the former can be influenced within wide limits and thus adapted to the intended application.

Processing

Acrylic Dispersion B 500 is preserved against bacterial and fungal attack. In the manufacture of finished products, the material has to be retreated, as usual, with suitable biocides to give enhanced preservation.

Shipping and Storage

Acrylic Dispersion B 500 is supplied in road tankers or in non-returnable plastics drums secured by a lid with clamping ring or in non-returnable palletized bulk containers (net weight 1,100 kg). Acrylic Dispersion B 500 has to be stored protected from frost and, as far as possible, below 40 °C. Storage at temperatures between + 5 and + 30 °C is recommendable. Acrylic Dispersion B 500 contains a preservative to counter microbial attack during transportation. To protect it against germination during subsequent storage, absolutely stringent plant hygiene and, under certain circumstances, the addition of suitable preservatives will be necessary. Care must be taken to ensure that drums and storage containers are tightly closed. During processing, storage and transport of the product contact with metals unprotected against corrosion (likewise non-ferrous metals) has to be avoided. When stored correctly Acrylic Dispersion B 500 has a storage life of 12 months from date of delivery.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.

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