

PLEXTOL™ B 500 is an aqueous dispersion of a thermoplastic acrylic polymer.

For further information regarding this product please refer to:

Consumer Materials Synthomer

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Property	Typical Value	Unit	Method ¹
Solids Content	50.0	%	ISO 3251
pH Value	9.5		DIN ISO 976
Viscosity	< 4500	mPa s	ISO 1652
Glass Transition Temperature	9	°C	ISO 1409
Mean Particle Size	0.14	µm	Internal Method
Surface Tension	40	mN/m	DIN ISO 1409
Minimum Film Forming Temperature	7	°C	ISO 2115
Water Absorption (24 h)	15	%	Internal Method
Tensile Strength	3	N/mm ²	Internal Method
Elongation at Break	500	%	Internal Method

¹ internal method based upon the specified norm

Application Advice

PLEXTOL™ B 500 can be diluted with water to provide spraying and impregnating liquors of any desired concentration. These liquors can be foamed by mixing in air. For impregnation or coating by means of foam, we recommend the addition of a foaming agent and a foam stabilizer. PLEXTOL™ B 500 can be thickened by means of thickener emulsions (e. g. ROHAGIT™ SD 15), thickener solutions (acrylate thickener solutions) and cellulose or starch derivatives to provide printing, nip-padding and coating compounds. By mixing PLEXTOL™ B 500 with other emulsions from the PLEXTOL™ range, the film properties of the former can be influenced within wide limits and thus adapted to the intended application. Main applications: washproof finishing, coating and lamination of textiles and non-wovens, printing inks for washable wallpaper.

Shipping and Storage

This product is supplied in road tankers or in non-returnable plastic drums secured by a lid with clamping ring or in non-returnable palletized bulk containers (net volume 1.000 lt). The product must be protected from frost and exposure to direct sunlight. Storage temperatures between +5 °C and +30 °C are recommended. The product contains in-can preservation to protect it against microbiological attack during transportation. For protection against microbiological contamination during storage stringent plant hygiene is essential. Depending on the storage conditions addition of suitable preservatives may be necessary. Care must be taken that drums and containers are properly closed. During storage, shipping and handling contact with metal surfaces that are not corrosion protected must be avoided. When stored properly, the product has a shelf life of 12 months from the date of delivery.

Product Safety

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