

PLEXTOL DV 544 is an aqueous emulsion of a crosslinkable acrylic polymer.

For further information regarding this product please refer to:

Consumer Materials

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Property	Typical Value	Unit	Method ¹
Solids Content	50.0	%	ISO 124
pH Value	8.4		DIN ISO 976
Viscosity	< 1500	mPa s	ISO 1652
Glass Transition Temperature	31	°C	DIN 53765

¹ internal method based upon the specified norm

Application Advice

PLEXTOL DV 544 is protected against bacterial attack during storage. In the manufacture of finished products, the material has to be re-treated, as usual, with suitable agents to give enhanced preservation. Film properties Evaporation of the water above the minimum film-forming temperature leaves a clear, colourless film which is medium hard, flexible and tack-free at room temperature. The film is partially soluble in organic solvents. It shows good resistance to aqueous media, also in the acid and alkali range. Particularly noteworthy is its good lightfastness and resistance to weathering and ageing. Instruction for use - PLEXTOL DV 544 can be diluted with water to provide spraying and impregnating liquors of any desired concentration. - PLEXTOL DV 544 is compatible with melamine or urea-formaldehyde resins and can be employed as a plasticiser for these resins. By mixing PLEXTOL DV 544 with other emulsions from the PLEXTOL range, the film properties of the foamer can be influenced within wide limits and thus adapted to the intended application. Applications - Manufacture of edge strips and surface laminates for the furniture industry in combination with melamine and urea-formaldehyde resins.

Shipping and Storage

Store at an even temperature of between +5°C and +35°C avoiding frost and direct sunlight. Stir product before use. If stored according to these conditions and in the original unopened containers, the dispersion will be stable for 12 months following delivery. Product should be used as soon as possible after opening. During processing, storage and transport, avoid any contact with metals (including non-ferrous metals) which are not protected against corrosion. Detailed information is available on request.

Product Safety

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