

WINACET® DW 50

Water dispersion of
vinyl acetate polymer

Technical Data Sheet

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Previous editions of this document have lost their validity

CHARACTERISTICS

Winacet® DW 50 is a water dispersion of polyvinyl acetate produced in an emulsion polymerization process with the use of polyvinyl alcohol as a protective colloid.

GENERAL PROPERTIES

Does not contain plasticizers.

BASIC PARAMETERS

Parameters	Units	Values	Test methods
pH	-	4,0÷5,0	PN-EN 1245
solids content	%	50±2	PN-EN 827
viscosity by Brookfield RVT ¹⁾	high viscosity (W)	22000 ÷ 35000	PN-ISO 2555
	high viscosity (EW)	35000 ÷ 45000	
MFFT (minimal film forming temperature)	°C	11÷14	PN-90/C-89415
Tg (glass transition)	°C	38÷44	differential scanning calorimetry (DSC)
mean particle size	nm	1200÷2000	photon correlation spectroscopy (PCS)

¹⁾ rpm: 20; spindle nr. 6 (for medium and high viscous type): temperature: 23°C; readout after 5 minutes

APPLICATION

The product can be diluted with water in all proportions and is well miscible with inorganic fillers and pigments.. After evaporation of water the dispersion forms hard and fragile film with a good adherence to a porous substrate. Winacet® DW 50 is mainly used for production of adhesives (for wood and paper), glues and putties for building industry. It is also used in textile industry for fiber impregnation.

PACKAGE AND TRANSPORTATION

Acid resistant and heat insulated road tankers, IBC plastic containers or plastic drums with polyethylene bags inside. Package and transportation are not subject to regulations for hazardous materials transportation (ADR, RID). The other packages can also be used if previously agreed between the producer and a customer. Package must not deteriorate the product.

STORAGE

Store at temperature range from 5 to 35°C. Drums and containers should be stored in one layer. If stored in these conditions the product does not change its properties in the period of six (6) months from the date of production.

This document is of an informative character. The information given herein is based on the present state of our knowledge and experience. It makes neither product properties nor qualitative parameters guarantee and cannot be used as a basis of any claims. The information provided cannot be used for any mixtures with any other substances. Product should be transported, stored and used in accordance with valid regulations and good occupational hygiene practice. Making use of the information as well as product application is beyond the producer control and determination of the safe conditions of use is the sole responsibility of a customer.