

WINACET[®] MDP 50

Water dispersion of
vinyl- maleate ester copolymer

Technical Data Sheet

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Previous editions of this document have lost their validity

CHARACTERISTICS

Winacet[®] MDP 50 is a water dispersion of vinyl-maleic copolymer produced in an emulsion polymerization process. Product is designed for the formulation of emulsion paints, especially for indoor applications as well as of cement-free masonry mortars and plasters.

GENERAL PROPERTIES

- APEO free
- free of solvents

Product exhibit very good adhesion to various porous materials, such as cement, cement-limestone and others. Used as a binder in coatings promotes better wet-scrubbing resistance than poly(vinyl acetate).

BASIC PARAMETERS

Parameters	Units	Values	Test methods
pH	-	3,5÷5,0	PN-EN 1245
solids content	%	50±2	PN-EN 827
viscosity by Brookfield RVT ¹⁾	mPa·s	7000÷16000	PN-ISO 2555
MFFT (minimal film forming temperature)	°C	4÷6	PN-90/C-89415
Tg (glass transition)	°C	18÷20	differential scanning calorimetry (DSC)
mean particle size	nm	800÷1100	photon correlation spectroscopy (PCS)

¹⁾ rotors per minute: 20; rotor nr 5; temperature: 23°C; after 5 minutes

APPLICATON

After evaporation of water in the temperature above 6°C Winacet[®] MDP 50 forms a transparent film with a good adhesion to various porous materials. Product is well dilutable with water and well miscible with inorganic fillers and pigments. In our experience Winacet[®] MDP 50 can be used with all available raw materials designed for water-based products formulation.

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.