

TYPE

Polyester-modified acrylic dispersion containing epoxy groups

Neutralization agent

approx. 0.95 % 2-amino 2-methyl 1-propanol (AMP), as salt

FORM OF DELIVERY (f.o.d.)

40 % in water (40WA)
(containing also 2.4 % dipropylenglycol dimethylether
and 2.8 % butyl glycol)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	20 - 100
(100 1/s; 23 °C)		

MEQ DIN EN ISO 15880

MEQ	[mmol]	19 - 27
(point of reference: solids (1h/125°C); milliequivalent acid; acetone; potassium hydroxide)		

MEQ DIN EN ISO 15880

MEQ	[mmol]	10 - 17,5
(point of reference: solids (1h/125°C); milliequivalent base; acetone; perchloric acid)		

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter	[%]	38,5 - 41,5
(1 h; 125 °C; 2 g; ethanol (spirit))		

Not continually determined:

Colour / Appearance VLN 250

colour		whitish
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pH-Value DIN ISO 976

pH-value		6,0 - 6,8
(10 %)		

Density (Liquids) DIN EN ISO 2811-2

density	[g/cm ³]	1,05
approx. (20 °C)		

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	> 100
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SPECIAL PROPERTIES AND USE

Daotan VTW 1686 is used as sole binder or in combination with melamine resins and/or polyurethane dispersions for the production of waterdilutable industrial paints, e. g. base coats.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 180 days.

It is important to protect Daotan VTW 1686 from frost and direct sunlight; at low temperatures it has to be stored under frostproof conditions.

Temperature variations during storage might cause moderate skinning. Accordingly we strongly recommend to filter the product (without applying elevated temperature) prior to any further use.

