

TYPE

Aqueous, solvent-free self crosslinking polyurethane dispersion

Neutralization agent

approx. 0.9 % N,N-dimethylethanolamine, as salt

FORM OF DELIVERY (f.o.d.)

36 % in water (36WA)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (100 1/s; 23 °C)	[mPa.s]	10 - 90
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pH-Value DIN ISO 976

pH-value		7,0 - 8,0
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 1 g)	[%]	35 - 37
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Not continually determined:

Colour / Appearance VLN 250

colour		pale yellow
appearance		translucent

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,05
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Flash Point (Pensky-Martens) DIN EN ISO 2719

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

Daotan VTW 1265 is a solvent-free polyurethane dispersion with excellent wetting properties, which yields without coalescing agents, crack-free films on drying.

Due its high brilliance Daotan VTW 1265 is suitable for the formulation of aqueous wood coatings (furniture and parquet). By blending with acrylic emulsions drying can be accelerated.

Due to excellent adhesion properties on several plastic grades, e. g. ABS, PA, PC and PMMA, Daotan VTW 1265 can be preferably used for plastic coatings. The adhesion to any plastic substrate to be coated should first be carefully examined.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

It is important to protect Daotan VTW 1265 from frost; at low temperatures it has therefore to be stored under frostproof conditions.

Because of the amphiphilic character of Daotan VTW 1265 the product tends to foam. Caused by the selfcrosslinking moieties of the product, these foams can establish unreemulsifiable films, also in closed containers. We strongly recommend to filtrate the product with a 5 µm filter before use.

