

### TYPE

Aqueous dispersion of an aliphatic urethane-acryl-hybrid, self-crosslinking, solvent and emulsifier free

### Neutralization agent

0.8 % N,N-dimethyl ethanolamine, 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]	15 - 250
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#### pH-Value DIN ISO 976

pH-value (10 %)		7,4 - 8,4
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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		opaque

#### Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm³]	1,06
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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 6462 is a solvent-free self-crosslinking acrylated polyurethane dispersion with very good wetting properties, curing rapidly to give clear crack-free films.

Daotan VTW 6462 is stable to applied shear forces and has good pigment compatibility. Cured films show good abrasion resistance and have good resistance to household detergents.

This polyurethane emulsion was designed to formulate coating systems for various plastics such as ABS, PA, rigid PVC, flexible PVC and PMMA. Aqueous primers and base coats can be formulated. The adhesion to any plastic substrate to be coated should first be carefully examined.

### STORAGE

At temperatures from 5 °C to 25 °C storage stability packed in original containers amounts to at least 450 days.

It is important to protect Daotan VTW 6462 from frost; at low temperatures it has therefore to be stored under frostproof conditions.

Because of the amphiphilic character of Daotan VTW 6462 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.

### DISTINGUISHING FEATURES

Daotan VTW 6462 is more flexible than Daotan VTW 6465 and has a higher molecular weight as supplied.

