

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 appearance		pale yellow opaque
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Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	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 TW 6464 is a shear stable, solvent-free, selfcrosslinking acrylated polyurethane dispersion providing quick drying and good wetting properties. Cured films are clear - transparent with good chemical- and abrasion resistance.

Daotan TW 6464 is providing excellent adhesion to plastics like e. g. ABS, PC, PP (fl.) and PVC. Accordingly Daotan TW 6464 is recommended for waterborne plastic primer. Furthermore Daotan TW 6464 is also suitable for waterborne Basecoats. These exhibit extraordinary bright metallic - effects.

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 TW 6464 from frost; at low temperatures it has therefore to be stored under frostproof conditions.

Because of the amphiphilic character of Daotan TW 6464 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 TW 6464 is more flexible than Daotan VTW 6465. Compared to Daotan VTW 6462 Daotan TW 6464 is providing improved colour stability.

