DAOTAN® VTW 1237/32WANMP

Technical Datasheet

TYPE

Aqueous aliphatic polyurethane dispersion with low viscosity, based on polyester

FORM OF DELIVERY (f.o.d.)

32 % in water / N-methylpyrrolidone (32WANMP)

Neutralization agent

approx. 0.75 % triethylamine, as salt

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219		
dynamic viscosity (100 1/s; 23 °C)	[mPa.s]	5 - 60
pH-Value DIN ISO 976		
pH-value		7,3 - 8,6
Non-Volatile Matter DIN EN ISO 3251		
non-volatile matter (1 h; 125 °C; 1 g)	[%]	31 - 33

Not continually determined:

Colour / Appearance VLN 250		
colour		whitish
appearance		opaque
Density (Liquids) DIN EN ISO 2811-2		
density approx. (20 °C)	[g/cm³]	1,03
Flash Point (Pensky-Martens) DIN EN ISO 2719		
flash point	[°C]	> 100

SPECIAL PROPERTIES AND USE

Daotan VTW 1237 is a polyurethane dispersion with shear stability and pigment compatibility that cures at room temperature giving highly flexible clear crack-free films.
This allows Daotan VTW 1237 to be used to formulate highly flexible coating systems, especially for coating plastics. Such systems exhibit very good adhesive properties e. g. to polycarbonate, ABS, PUR-RIM, as well as untreated PP/EPDM. Depending on the specific requirements it can be used in basecoats and one coat systems. The adhesion to each plastic substrate requires individual investigation.
In addition Daotan VTW 1237 can be used together with other compatible binders, e.g. acrylic dispersions, to improve flexibility, adhesion and abrasion resistance.

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 1237 from frost; at low temperatures it has therefore to be stored under frostproof conditions.

DISTINGUISHING FEATURES

In comparison with Daotan VTW 1235 Daotan VTW 1237 only contains aliphatic groups.