

PRELIMINARY PRODUCT INFORMATION

TYPE

Aqueous dispersion of an aliphatic polyurethane-acrylic hybrid

FORM OF DELIVERY (f.o.d.)

37 % in water (37WA), partially neutralised (Triethylamine)
(containing also 3 % Dipropyleneglycoldimethylether DPGDME)

DEVELOPMENT PRODUCT

This product, serving for trial purposes only. Deviations which might occur during transfer into manufacturing in a commercial scale are possible and do not constitute any material defect.

Neutralization agent

approx. 0.8 % TEA, as salt

TENTATIVE PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (100 1/s; 23 °C)	[mPa.s]	< 40
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pH-Value DIN ISO 976

pH-value (10 %)		7,7 - 9
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Non-Volatile Matter DIN 55671

non-volatile matter (125 °C; 10 min; 0,7 - 0,9 g)	[%]	36 - 38
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Colour / Appearance VLN 250

colour		white
appearance		opaque

Not continually determined:

Density (Oscillation method) DIN EN ISO 2811-3

density (23 °C)	[g/cm ³]	1,05
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Minimum Temperature of Film Formation DIN ISO 2115

minimum temp. of film form.	[°C]	ca. 20
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Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	> 96
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SPECIAL PROPERTIES AND USE

Daotan TW 6474 is a hard grade polyurethane dispersion, particularly suitable as combination partner for alkyd and acrylic emulsions, significantly improving the drying time and early hardness development. It can also be used for improving the flexibility of acrylic dispersion coatings.

STORAGE

At temperatures up to 30 °C storage stability packed in original containers amounts to at least 365 days.

It is important to protect Daotan TW 6474 from frost; at low temperatures it has therefore to be stored under frostproof conditions.

REMARK:

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.