

TYPE

Aliphatic polyester resin

FORM OF DELIVERY (f.o.d.)

100 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	6000 - 12000
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Colour Scale (Hazen) DIN EN ISO 6271-1

Hazen colour value		< 80
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Acid Value DIN EN ISO 2114

acid value (non volatile matter)	[mg KOH/g]	< 10
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Non-Volatile Matter DIN 55671

non-volatile matter (120 °C; 5 min)	[%]	> 96
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Not continually determined:

Hydroxyl Value DIN 53240

hydroxyl value (nfA)	[mg KOH/g]	120 - 140
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Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm³]	1,11
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Flash Point (Pensky-Martens) DIN EN ISO 2719

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

As a combination partner for other resins, Duroftal VPE 6117 contributes to increased solids content of the paint and to improved build, gloss and flexibility of the paint film.

It may be used in solvent based or in water based paint formulations, either in 1-pack enamels or in polyisocyanate crosslinking 2-pack systems.

PROCESSING

At additions of at least 10 % Duroftal VPE 6117 (based on co-binder solids), a significant improvement in the appearance of the coatings is usually achieved. Compatibility of the resin blend and stability of the paint have to be checked, however. The marked plastifying effect of Duroftal VPE 6117 should also be taken in to consideration.

Duroftal VPE 6117 is insoluble in water. Therefore, when used in waterborne paints, it has to be emulsified by the other paint components in the course of the paint manufacturing process.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 730 days.

