

TYPE

Aqueous hydroxy functional copolymer emulsion with incorporated catalyst

Neutralization agent

1.9 % N,N-dimethylethanolamine, as salt

FORM OF DELIVERY (f.o.d.)

44 % in water (44WA)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	200 - 2400
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pH-Value DIN ISO 976

pH-value (10 %)		8,0 - 9,1
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 1 g)	[%]	42,5 - 45,5
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Not continually determined:

Colour / Appearance VLN 250

colour		whitish
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Hydroxyl Value DIN 53240

hydroxyl value approx. (solid matter content)	[mg KOH/g]	85
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Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,04
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Flash Point (Pensky-Martens) DIN EN ISO 2719

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

In combination with hexamethoxymethylmelamine (HMMM, e. g. Cymel 303 or Cymel 1130) stoving enamels with high gloss, good outdoor-durability and little yellowing are achieved. Stoving conditions are from 30 min/140 °C to 20 min/160 °C.

For the lower temperature range of 120 - 140 °C Viacryl VSC 6276w/44WA is preferred in combination with reactive waterdilutable melamine resins, such as Cymel 325 or Cymel 327.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

It is important to protect Viacryl VSC 6273w from frost; at low temperatures it has therefore to be stored under frostproof conditions.

Lowest storage temperature: + 1 °C

DISTINGUISHING FEATURES

Viacryl VSC 6273w is equipped with an internal catalyst for the reaction with HMMM (e. g. Cymel 303 or Cymel 1130) at 140 - 160 °C.

