

TYPE

Aqueous, hydroxy functional acrylic resin

FORM OF DELIVERY (f.o.d.)

42 % in water (42WA)

Neutralization agent

1.3 % N,N-dimethylethanolamine, as salt

Appearance

whitish

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (10 1/s; 23 °C)	[mPa.s]	800 - 4000
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pH-Value DIN ISO 976

pH-value (10 %)		7,0 - 8,5
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Acid Value DIN EN ISO 2114

acid value (non volatile matter)	[mg KOH/g]	20 - 30
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 1 g)	[%]	40,5 - 43,5
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Not continually determined:

Hydroxyl Value DIN 53240

hydroxyl value approx. (solid matter content)	[mg KOH/g]	135
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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]	>85
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SPECIAL PROPERTIES AND USE

In combination with water-emulsifiable polyisocyanates for high quality 2-pack-topcoats with excellent development of hardness at room temperature drying and very good gloss.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 180 days.

It is important to protect Macrynal VSM 6299w from frost; at low temperatures it has therefore to be stored under frostproof conditions.

Lowest storage temperature: + 1 °C

DISTINGUISHING FEATURES

Compared with Macrynal VSM 6285w, Macrynal VSM 6299w shows faster drying at room temperature and achieves substantially higher hardness of the final films.

