

## TYPE

Hydroxyfunctional, modified acrylic resin; cross-linkable with polyisocyanates for the production of ultra high solids lacquers

## Average hydroxyl content (solid resin)

approx. 4.3 %

## FORM OF DELIVERY (f.o.d.)

80 % in butyl acetate (80BAC)

## PRODUCT DATA

### Determined per batch:

#### Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	4000 - 8500
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#### Colour Scale (Hazen) DIN EN ISO 6271-1

Hazen colour value		<= 200
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#### Hydroxyl Value (cat.) DIN EN ISO 4629

hydroxyl value (solid matter content)	[mg KOH/g]	135 - 150
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#### Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 2 g; ethyl acetate)	[%]	78 - 82
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### Not continually determined:

#### Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm <sup>3</sup> ]	1,09
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#### Flash Point DIN EN ISO 1523

flash point approx.	[°C]	35
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## SPECIAL PROPERTIES AND USE

Macrynal VSM 2805, in combination with aliphatic polyisocyanates, pre-eminently with Desmodur N 3300 (Covestro), produces high quality ultra high solids 2-pack industrial coatings. Drying at ambient temperature as well as forced drying can be employed.

Coatings based on Macrynal VSM 2805 show

- high gloss
- very good mechanical properties
- very good chemical resistance
- ease of application.

Macrynal VSM 2805 is especially well-suited for thick-layer coatings and airless applicable paints.

## STORAGE

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

## DISTINGUISHING FEATURES

Compared to Macrynal VSM 2705 coatings based on Macrynal VSM 2805 show higher paint solids content and higher UV and weather resistance.

