

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
--------------------------------------	---------	-------------

Colour Scale (Hazen) DIN EN ISO 6271-1

Hazen colour value		<= 200
--------------------	--	--------

Hydroxyl Value (cat.) DIN EN ISO 4629

hydroxyl value (solid matter content)	[mg KOH/g]	135 - 150
--	------------	-----------

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 2 g; ethyl acetate)	[%]	78 - 82
--	-----	---------

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,09
-------------------------------	----------------------	------

Flash Point DIN EN ISO 1523

flash point approx.	[°C]	35
------------------------	------	----

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.

