

PRELIMINARY PRODUCT INFORMATION

TYPE

Reactive waterborne acrylic resin containing hydroxyl groups

FORM OF DELIVERY (f.o.d.)

41 % in water (41WA)
(containing also approx. 5.6 % methoxypropanol)

DEVELOPMENT PRODUCT

This product is serving for trial purposes only. Deviations which might occur during transfer into manufacturing in a commercial scale are possible and do not constitute any material defect.

NEUTRALIZATION AGENT

1,9% N,N-dimethylethanolamine, as salt

TENTATIVE PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	500-3000
--------------------------------------	---------	----------

pH-Value DIN ISO 976

pH-value (21 %)		7,6 - 8,6
--------------------	--	-----------

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 2 g; ethyl acetate)	[%]	39,5 - 42,5
--	-----	-------------

Not continually determined:

Acid Value DIN EN ISO 2114

acid value approx. (non volatile matter)	[mg KOH/g]	40
--	------------	----

Hydroxyl Value DIN 53240

hydroxyl value approx. (solid matter content)	[mg KOH/g]	140
---	------------	-----

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm³]	1,05
-------------------------------	---------	------

Flash Point (CCCFP) ASTM D 6450

flash point	[°C]	> 95
-------------	------	------

SPECIAL PROPERTIES AND USE

In combination with water-emulsifiable polyisocyanates for high quality 2-pack clear- and topcoats providing very good chemical resistance and excellent drying properties.

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 SM 6825w/41WA from freezing; at low temperatures it should be stored under "keep from freezing" conditions.

DISTINGUISHING FEATURES

In contrast to MACRYNAL VSM 2521w MACRYNAL SM 6825w does not contain n-butanol.

REMARK:

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.