

PRELIMINARY PRODUCT INFORMATION

TYPE

Waterborne, hydroxy functional polyacrylate dispersion

FORM OF DELIVERY (f.o.d.)

43% in water (43WA)

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

0.25 % 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
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pH-Value DIN ISO 976

pH-value (10 %)		6,7 - 7,7
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Non-Volatile Matter DIN 55671

non-volatile matter (125 °C; 10 min; 0,9)	[%]	41,5 - 44,5
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Not continually determined:

Colour / Appearance VLN 250

colour		whitish
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Hydroxyl Value DIN 53240

hydroxyl value (solid matter content)	[mg KOH/g]	145
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Minimum Temperature of Film Formation DIN ISO 2115

minimum temp. of film form. approx.	[°C]	14
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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 (CCCFP) ASTM D 6450

flash point	[°C]	> 94
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SPECIAL PROPERTIES AND USE

Macrynal SM 6826w/43WA is a solvent-free, hydroxy functional polyacrylate dispersion and highly suitable for the formulation of top quality 2-pack polyurethane coatings, in particular primer surfacers/fillers as well as matte top- and clear coats, when used in combination with water-emulsifiable polyisocyanates.

Outstanding features:

- very high dry film thickness (>150 µm) without defects
- very broad application window
- very fast surface and hard drying
- direct grinding (shear stable)
- very high pigment loads
- very high resistance to chemicals and solvents
- good UV resistance

STORAGE

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

It is important to protect Macrynal SM 6826w/43WA from freezing; at low temperatures it should be stored under "keep from freezing" conditions.

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.