

TYPE

Hydroxy functional acrylic resin, crosslinkable with polyisocyanates

Average hydroxyl content (solid resin)

approx. 4.2 %

FORM OF DELIVERY (f.o.d.)

70 % in butyl acetate (70BAC)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	7000 - 13000
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Colour Scale (Hazen) DIN EN ISO 6271-1

Hazen colour value		<= 100
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Hydroxyl Value (cat.) DIN EN ISO 4629

hydroxyl value (solid matter content)	[mg KOH/g]	125 - 150
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 1 g; toluene)	[%]	68 - 72
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm³]	1,00
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Flash Point DIN EN ISO 1523

flash point approx.	[°C]	22
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SUGGESTED USES

Macrynal SM 636 in combination with aliphatic polyisocyanates produces high quality, weather resistant and light stable 2pack polyurethane top coats. These coatings provide high hardness and excellent elasticity, in addition to that chemical resistance against acids, hydrolic oil, glycols and various organic solvents.

DILUTABILITY

Macrynal SM 636 can be diluted with solvents, suitable for polyurethanes, e.g. ethyl acetate, butyl acetate, methyl ethyl ketone, methyl isobutyl ketone, methoxy propylacetate. Dilutability with aliphatic hydrocarbons is limited.

CATALYSIS

Curing of laquers based on Macrynal SM 636 can be accelerated by catalysts. Suited catalysts are dibutyl tin dilaurate (approx. 0.01 % on solid resin) or zinc octoate (approx. 0.1 % on solid resin).

STORAGE

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

DISTINGUISHING FEATURES

Compared to Macrynal SM 666 and Macrynal SM 656, Macrynal SM 636 provides a higher degree of crosslinking. Therefore, weather and chemical resistance are higher with Macrynal SM 636.

