

TYPE

Hydroxy functional acrylic resin crosslinkable with polyisocyanates

FORM OF DELIVERY (f.o.d.)

70 % in butyl acetate (70BAC)

SPECIAL PROPERTIES AND USE

Air-drying and forced drying two pack systems with high gloss, excellent mechanical properties and excellent chemical resistance for automotive refinishes.

Average hydroxyl content (solid resin)

approx. 4.5 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity [mPa.s] 3600 - 6000
(25 1/s; 23 °C)

Colour Scale (Hazen) DIN EN ISO 6271-1

Hazen colour value <= 80

Hydroxyl Value (cat.) DIN EN ISO 4629

hydroxyl value [mg KOH/g] 140 - 160
(solid matter content)

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter [%] 68 - 72
(1 h; 125 °C; 3 g; ethyl acetate)

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density [g/cm³] 1,05
approx. (20 °C)

Flash Point DIN EN ISO 1523

flash point [°C] 25
approx.

DILUTABILITY

white spirit	○	methyl ethyl ketone	●
toluene	●	methyl isobutyl ketone	●
xylene	●	methoxypropyl acetate	●
solvent naphtha 150/180	●	ethyl acetate	●
acetone	●	butyl acetate	●

● = unlimited dilutability
● = substantial dilutability

⊙ = limited dilutability
○ = very limited or no dilutability

COMPATIBILITY

% other binder	10	25	50	75	90
% Macrynal SM 515	90	75	50	25	10

Alkyd resins

Vialkyd AC 451n, AC 290, AN 950	●	●	●	●	●
Vialkyd AF 342	○	○	○	○	○

Acrylic resins

Viacryl SC 121	●	○	○	●	●
Viacryl SC 370	●	●	●	●	●
Macrynal SM 510, SM 510n, SM 513, SM 516	●	●	●	●	●
Macrynal SM 540, SM 500	○	○	○	○	○
Macrynal SM 548	●	●	●	○	○

Polyisocyanates

Desmodur N, L	●	●	●	●	●
Beckocoat PU 428, PU 432	●	●	●	●	●

Other binders

Beckopox EP 140, EP 301	●	●	●	●	●
Alresat KE 300	●	●	●	●	●
Hostaflex CM 158	○	○	○	○	●
Hostaflex CM 620	○	○	○	○	○
Ucar solution vinyl resin VAGH	○	○	●	●	●
CAB-551-0.2, CAB 381-0.1	○	○	○	○	●
nitrocellulose 24 E	●	●	●	●	●

● = definite compatibility

○ = very limited or no compatibility

