

# MACRYNAL<sup>®</sup> SM 548/50X

## TYPE

Hydroxy functional acrylic resin, cross-linkable with polyisocyanates

## FORM OF DELIVERY (f.o.d.)

50 % in xylene (50X)  
(containing also 5 % butyl acetate)

## SPECIAL PROPERTIES AND USE

Fast drying two-pack systems with high hardness.  
In combination with polyisocyanates for air-drying as well as forced drying two-pack lacquers for industrial applications.

Average hydroxyl content (solid resin)  
approx. 2 %

## PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219  
dynamic viscosity [mPa.s] 600 - 1200  
(25 1/s; 23 °C)

Colour Scale (Hazen) DIN EN ISO 6271-1  
Hazen colour value <=70

Non-Volatile Matter DIN EN ISO 3251  
non-volatile matter [%] 48 - 52  
(1 h; 125 °C; 2 g; EAC)

Hydroxyl Value (cat.) DIN EN ISO 4629  
hydroxyl value [mg KOH/g] 60 - 70  
(solids)

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2  
density [g/cm<sup>3</sup>] 0,98  
approx.  
(20 °C)

Flash Point DIN EN ISO 1523  
flash point [°C] 26  
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

½ = substantial dilutability

¾ = limited dilutability

» = very limited or no dilutability

## COMPATIBILITY

% Macrynal SM 548	90	75	50	25	10
% other binder	10	25	50	75	90

### Alkyd resins

Vialkyd AC 290	}	}	»	»	}
Vialkyd AF 342	}	»	»	»	»
Vialkyd AN 950	»	»	»	»	»

### Acrylic resins

Viacryl SC 121	}	»	»	}	}
Viacryl SC 370, Macrynal SM 500, SM 540	}	}	}	}	}
Macrynal SM 510	}	»	»	»	}
Macrynal SM 513, SM 515, SM 516	»	»	}	}	}

### Polyisocyanates

Desmodur L	»	}	}	}	}
Desmodur N	}	}	}	}	}
Beckocoat PU 428, PU 432	»	»	}	}	}

### Other binders

Beckopox EP 140, Alresat KE 300	}	}	}	}	}
Beckopox EP 301, Hostaflex CM 620	»	»	»	»	»
Hostaflex CM 158	»	»	»	»	}
Vinyl VAGH	»	»	»	}	}
CAB-551-0.2	»	»	»	}	}
CAB-381-0.1	»	»	»	»	»
nitrocellulose 24 E	}	}	}	}	}

} = definite compatibility

» = very limited or no compatibility

