

## Technical Leaflet

# WorléeSin PM 200

Art.-No. 115502-01120

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W´Sin PM 200 is a low viscous pentaerythritol maleic resin for decorative and industrial paints as well as for the production of highly concentrated pigment pastes.

### Technical Data:

Melting point, capillary method	95 - 115 °C
Acid value, DIN EN ISO 3682	15 - 25
Colour, Gardner, 50% in white spirit 145 - 195, DIN ISO 4630	max. 8
Flow time, 20 °C, 50% in white spirit 145 - 195, DIN 53211-4	20 - 40 s
<b>Delivery form</b>	100%, in pellets and/or flakes

### Compatibility:

W´Sin PM 200 is compatible with non drying and with drying short, medium and long oil alkyds. It is also compatible with epoxyesters and vinyl polymerisates type Laroflex MP 35 from BASF. W´Sin PM 200 is also compatible with 2 pack coatings type epoxy (for instance Epikote 1001 from Shell cross-linked with W´Dur H 60) and type polyurethane (for instance Desmophen RD 181 from Bayer cross-linked with Desmodur N also from Bayer).

### Solubility

White spirit 135 - 175	s
White spirit 145 - 195	s
White spirit 180 - 210	s
Xylene	s
Toluene	s
Solvesso 100 (Exxon)	s
Butyl acetate 98/100	s
Methyl ethyl ketone	s
Isopropyl alcohol	is
Butanol	s
Ethyl alcohol	is
Ethyl glycol acetate	s
Solvenon PM (BASF)	s
Isopar H (Exxon)	s

### Viscosity 50% (DIN 53211-4)

approx. 18 s
approx. 20 s
approx. 45 s
approx. 12 s
approx. 12 s
approx. 18 s
approx. 15 s
approx. 12 s
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approx. 45 s
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approx. 45 s
approx. 36 s
approx. 80 s

WorléeSin PM 200

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**Key:**

s = soluble  
 is = insoluble  
 c = compatible

**Application and Properties:**

W´Sin PM 200 is added to air drying decorative, house, DIY paints and to industrial coatings for improving hardness, gloss and solids content. Due to its low viscosity, good pigment wetting and very good compatibility, W´Sin PM 200 is also used for production of high concentrated solvent-based pigment pastes.

**Additional Information**
**Rub-Out**

		<b>NC</b>	<b>TPA</b>	<b>LA</b>	<b>PU</b>	<b>EP</b>	<b>ALM</b>	<b>ACM</b>
	black	good	low	good	low	low	low	low
W´Sin PM 200	blue	good	low	good	good	low	good	low
	black	good	low	good	low	low	good	low
Aldehyde-resin	blue	good	low	good	good	good	good	good

**Seeding**

		<b>NC</b>	<b>TPA</b>	<b>LA</b>	<b>PU</b>	<b>EP</b>	<b>ALM</b>	<b>ACM</b>
	black	good	moderate	good	good	good	good	good
W´Sin PM 200	blue	good	moderate	good	good	good	good	good
	black	moderate	good	good	good	good	good	good
Aldehyde-resin	blue	moderate	good	good	good	good	good	good

Further advantages of W´Sin PM 200 in comparison to aldehyde resin:

85 - 90%, W´Sin PM 200 is based on natural raw material economical advantageous.

WSin PM 200 is solvent in dearomatized solvents.

**Abbreviations**

TPA thermo plastic acrylate  
 LA long oil alkyd  
 ALM alkyd-melamine  
 ACM acrylic-melamine