Makrovil PAC 619

- Emulsion polymer based on acrylates and methacrylates, carboxylated

Fields of Application: **Wood Finishing**

- Grinding vehicle for base coatings on fiberboard
- Let-down vehicle for printing inks on wood

Characteristics:

- excellent adhesion on fiberboards
- very good transfer
- low hydrosol viscosity

Appearance	:	white emulsion
Solid contents * (DIN EN ISO 3251)	:	39 – 41 %
Viscosity at 20°C (DIN 53019-1) (Anton Paar RheolabQC; MS: CC27; D=378 s^{-1})	:	< 200 mPa·s
pH Value * (DIN ISO 976)	:	4.0 – 5.0
MFFT (DIN ISO 2115)	:	appr. + 17°C
Glass Temperature (DSC) (DIN 51007)	:	appr. + 45°C
Acid Value * (DIN ISO 2114)	:	100 - 120 mg KOH/g solid
Protective Colloid	:	surfactants
Ionicity	:	anionic
Freeze/Thaw Stability	:	unstable

2020-04-02

* Specification values listed in our certificate of analysis

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Makrovil PAC 619

Remarks:

The hydrosol of Makrovil PAC 619 shows a significant lower viscosity than Makrovil PAC 626 or Makrovil PAC 618.

The hydrosol of Makrovil PAC 619 is used as a grinding vehicle for fillers and pigments. After dispersing the let-down vehicles Makrovil VVE 500 or Makrovil VVE 240 may be added to improve the water resistance.

Addition of polyvinyl alcohol solutions (i.e. Makrovil PVA 0530) may improve the transfer.

Usually the base coating will be over coated with an ultraviolet-hardening finishing lacquer.

Neutralization:

30.0	g	Makrovil PAC 619
70.0	g	Water
1.5	g	Ammonia solution 25 %
101.5	g	

Viscosity: appr. 100 mPa·s (Anton Paar RheolabQC; MS: CC27; D=121 s^{-1})

For checking of the material we recommend a pH value of 9.0.

Starting Formulations:

No. 84 Base coating on fibreboard

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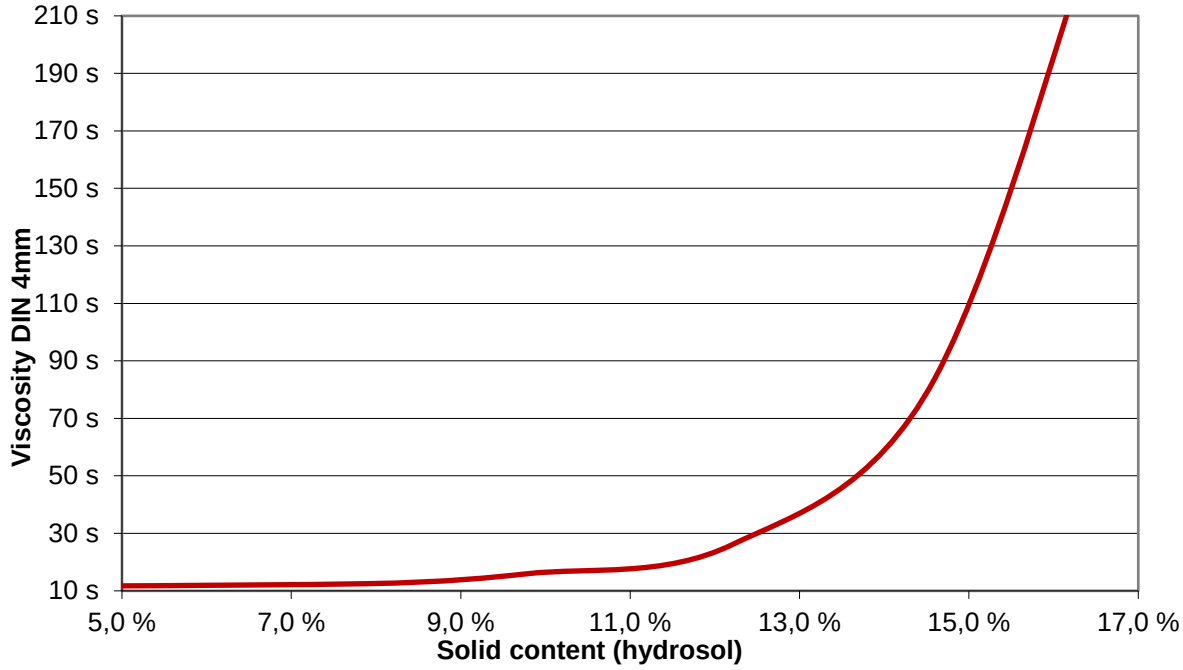
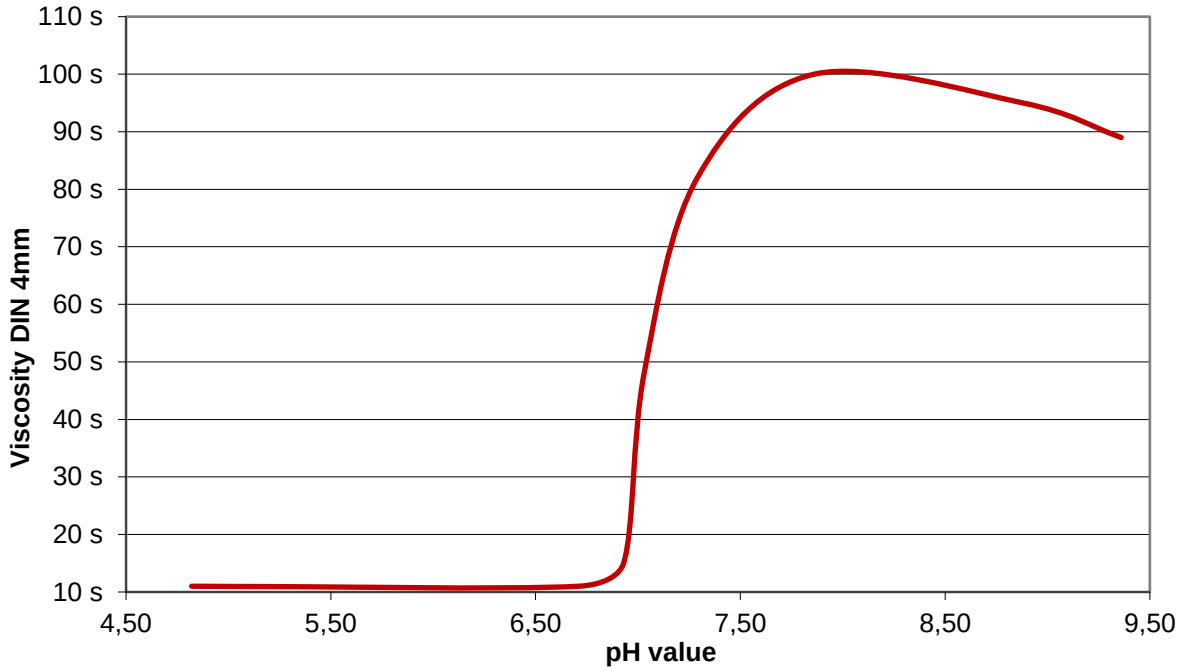
INDULOR
The Polymer Family

Hydrosol NH_3-neutralized (pH approx. 8.5)



Hydrosol NH_3-neutralized (approx. 15% solid)



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