

# Makrovil PAC 7137

- ◆ Emulsion polymer based on acrylates and methacrylates, carboxylated

## Fields of Application: Wood Finishing, Adhesives

- ◆ Grinding vehicle for base coatings and fillers on fibreboard
- ◆ Binder for water-based adhesives

## Characteristics:

- ◆ excellent adhesion on fiberboards
- ◆ very good transfer
- ◆ very high hydrosol viscosity

<b>Appearance</b>	:	white emulsion
<b>Solid Contents</b> * (DIN EN ISO 3251)	:	49 – 51 %
<b>Viscosity</b> at 20°C (DIN 53019-1) (Anton Paar RheolabQC; MS: CC27; D=38.7 s <sup>-1</sup> )	:	< 200 mPa·s
<b>pH Value</b> * (DIN ISO 976)	:	3.5 – 4.5
<b>MFFT</b> (DIN ISO 2115)	:	appr. + 13°C
<b>Glass Temperature (DSC)</b> (DIN 51007)	:	appr. + 42°C
<b>Acid Value</b> * (DIN ISO 2114)	:	110 - 125 mg KOH/g solid
<b>Protective Colloid</b>	:	surfactants
<b>Ionicity</b>	:	anionic
<b>Freeze/Thaw Stability</b>	:	unstable
2021-06-02		
* Specification value listed in our certificate of analysis		

**please turn**

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## Remarks:

The hydrosol of Makrovil PAC 7137 shows a significant higher viscosity than Makrovil PAC 619 and a lower viscosity than Makrovil PAC 618.

The hydrosol of Makrovil PAC 7137 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 overcoated with an ultraviolet-hardening finishing lacquer.

## Neutralization:

30.0 g	Makrovil PAC 7137
70.0 g	Water
appr. 2.2 g	Ammonia Solution 25 %

Viscosity: appr. 1300 mPa·s (Anton Paar RheolabQC; MS: CC27; D=9.24 s-1)

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

## Starting formulation:

No. 267 semi synthetic labelling adhesive

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