

## Starting point formulation – “Microplastic-free” matte floor polish

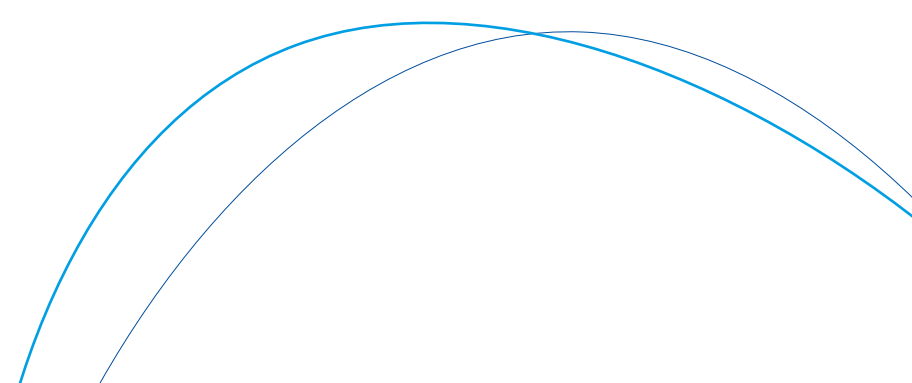
Provides good scratch resistance, anti-blocking properties and levelling behavior without increasing gloss by polishing – utilizing OPTIGEL-CK, CERAFLOR 1000 (biodegradable micronized polymer) and BYK-3450

### Formulation

Position	Component	Supplier	Function	Weight (g)
1	Demineralized water		Solvent	48.65
2	OPTIGEL-CK (100 %)	BYK	Anti-settling	1.50
3	Parmetol MBX (9 %)	Vink Chemicals	Biocide	0.10
4	Citrofol B I (Tributylcitrate)	Jungbunzlauer	Permanent plasticizer	3.00
5	Diethylene glycol monoethyl ether		Temporary plasticizer	4.50
6	SYNTRAN 1950 (40 %)	Zschimmer & Schwarz	Film building resin (Zn free)	40.00
7	CERAFLOR 1000 (100 %)	BYK	Matting Additive	2.00
8	BYK-3450 (100 %)	BYK	Levelling	0.25
<b>Total</b>				<b>100.00</b>

### Instructions

- Delaminate OPTIGEL-CK with water at 1,000–1,300 rpm for 20 min.
- Mix Parmetol MBX and plasticizer to the slurry.
- Add the resin under stirring at 1,000 rpm.
- Incorporate CERAFLOR 1000 carefully while stirring and add levelling additive.
- Continue stirring at 1000 rpm for additional 30 min after the last component was added.



## Characteristic data /specification

Data	Unit	Value
Solid biopolymer	%	2.00
Solid resin content	%	16.00
Ratio resin : biopolymer	%	8.00 : 1.00
Gloss units (60 °)	GU	25.00 ± 5.00

### Further information/application

- The formulation is designed to be used as it is.

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This issue replaces all previous versions.

