Automotive coatings OEM
Primer-surfacer, water dilutable

Basis	Polyester stoving system		
	Guide Formulation PTJ 5247 F.1 of Covestro		A 14404.0 [1]
Grinding stage	Setaqua B E 270	(1)	4.22
	Distilled water		8.24
	Dimethylethanolamine, 10 % in water		0.60
	Surfynol 104, 50 % in n-methyl-pyrrolidone)*	(2)	0.54
	Additol XW 395	(1)	0.54
	Sachtleben R-FD-I	(3)	10.82
	Bayferrox 303 T	(4)	0.12
	SILLIKOLLOID P 87	(5)	10.99
	Aerosil R972	(2)	0.37
	Dispex Ultra FA 4436	(6)	0.54
Let-down stage	Setaqua B E 270	(1)	25.39
	Dimethylethanolamine, 10 % in water		3.65
	Maprenal MF 904/97	(7)	3.83
	Distilled water		30.15
	Total % by weight		100.00
	)* replace by Surfynol 104 E	(2)	

Suppliers	(1)	Allnex
	(2)	Evonik Industries
	(3)	Venator Materials Corporation
	(4)	Lanxess
	(5)	HOFFMANN MINERAL
	(6)	BASF
	(7)	Ineos Melamines

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Technical Data

Solids content (parts by weight)	46.4 %
Organic volatile matter of binders (parts by weight)	5.6 %

Adjust viscosity with distilled water to approx. 40 s (ISO flow cup 5 mm)

Stoving conditions:
10 min room temperature
10 min 75°C
20 min 165°C

Ratio of binders (solid resins)

Bayhydrol E 270 : Maprenal MF 904/97	approx.	85 : 15

Pigments and additives related to solid binders in %

Sachtleben R-FD-I	approx.	44.40
Bayferrox 303 T	approx.	0.50
SILLIKOLLOID P 87	approx.	45.10
Aerosil R972	approx.	1.50
Additol XW 395	approx.	2.20
Surfynol 104, 50 % in n-methyl-pyrrolidone	approx.	2.20
Hydropalat 3216	approx.	2.20

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