

Starting formulation



2 Component clear coat, semigloss (F 5820-4)

pos. Component A

1	Ecrothan® 2012	Michelman	85,00
2	Butylglycol		5,00
3	Water		5,00
	pos. 2+3 mix before addition and add into pos. 1 under stirring		
4	Byk 093	BYK-Chemie GmbH	0,20
5	Byk 346	BYK-Chemie GmbH	0,30
	pos. 4+5 add successively under stirring		
6	Acrysol RM 825	Dow Advanced Materials	0,40
7	Water		1,00
	pos. 6+7 mix before addition and add under stirring		
8	Water		3,10
	pos. 8 to adjust the viscosity		

			100,00

Component B

9	Bayhydur 2759	Bayer AG	3,75
10	Butylacetat		1,25
	pos. 9+10 mix before addition		

			5,00

Add component B slowly to component A under high shear

Testing results:

Viscosity DIN 4mm	after 1 d / rt	41 s
Gloss 60°	after 1 d / rt	40 u
Pendulum hardness (König)	after 1 d / rt	97 s
	after 28 d / rt	127 s

Chemical resistance according to DIN 68861 part 1, group 1A (oak)
Evaluation according to DIN EN 12720 (5 = best)

Ammonia	16 h / rt	4
Ethanol	16 h / rt	3
Instant coffee	16 h / rt	5
Water	16 h / rt	5
Hand cream (Atrix)	16 h / rt	5
Plasticizer (Loxanol PL 5060)	16 h / rt	4
Ammonia	16 h / rt	2