

NEUBURG SILICEOUS EARTH IN WATER-BASED CLEAR COAT FOR WOOD, 1C ACRYLIC MULTI LAYER*; LOW-T_g-BINDER

FORMULATION

	Control	Same efflux time 75 s DIN-4 cup	Neuburg Siliceous Earth
	pbw		pbw
Alberdingk AC 25381, MFFT 17°C	74.5		74.5
Tego Foamex 822	0.6		0.6
DPM : DPnB = 5 : 2	7.0		7.0
Water demineralized	13.8	4. reduced	7.5 – 8.0
Acematt TS 100	0.5	2. replaced	----
Filler	----	1. added	20.0
Aquacer 539	3.0		3.0
Byk 346	0.3		0.3
Rheovis PU 1214	0.3	3. reduced	0.15
Total	100.0		113.05 – 113.55
Solid content w/w	[%] 37.7		50.3 – 50.6
PVC	[%] 0		19.1

* Base formulation by Alberdingk Boley

RESULTS



	Filler 20 pbw				
	without	Sillitin Z 89	Sillitin V 88	Aktisil MAM	
DFT 35 µm					
Reduction of drying time		31 %	41 %	38 %	
Sanding	24 h	6 h	6 h	6 h	
Gloss 60°	64	15	8	8	
Stain resistance					
DFT 35 µm	Ink				
Drying	Exposure	without	Sillitin Z 89	Sillitin V 88	Aktisil MAM
10 d	16 h				

HOFFMANN
MINERAL