



Industrial coating
UV-curing transparent topcoat for wood, matte
without reactive diluent

Basis aromatic epoxy acrylate and polyether acrylate

		without matting agent	Control	SILLITIN V 88	AKTISIL MAM
L 00002.1		[31]	[1]	[99]	[88]
Laromer LR 8986	(1)	43.50	43.50	37.28	37.28
Laromer PO 8967	(1)	43.50	43.50	37.28	37.28
Omnirad 184	(2)	3.50	3.50	3.00	3.00
Syloid ED 80	(3)	---	8.70	4.35	4.35
SILLITIN V 88	(4)	---	---	17.41	---
AKTISIL MAM	(4)	---	---	---	17.41
Efka FL 3741	(1)	0.40	0.40	0.34	0.34
FoamStar ST 2438	(1)	0.40	0.40	0.34	0.34
Total parts by weight		91.30	100.00	100.00	100.00

Recommendation [99] SILLITIN V 88: cost-effective, good matting
 [88] AKTISIL MAM: like [99], improved abrasion resistance

Mixing

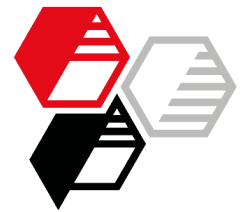
- charge liquid ingredients
- disperse filler by dissolver

Reactivity

- approx. 10 m/min (6x)
- 1 lamp 120 W/cm

Suppliers

- (1) BASF
- (2) IGM Resins
- (3) Grace
- (4) HOFFMANN MINERAL



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Technical Data	PVC	%	0	5.2	11.9	11.9	
	Viscosity	at 1 s ⁻¹	Pa·s	-	2.19	2.42	2.93
		at 500 s ⁻¹	Pa·s	-	1.54	1.91	1.87
	<u>Substrate: glass plate</u>						
	Gloss 60°	at DFT 6 µm	GU	-	36	37	36
		at DFT 12 µm	GU	-	47	54	54
	<u>Substrate: contrast cardboard</u>						
	Gloss 60°	at DFT 25 µm	GU	-	57	60	62
		at DFT 40 µm	GU	-	76	76	77
	<u>Transparency (ΔL^* displacement towards UV coat without matting agent)</u>						
	ΔL^*	at DFT 20 µm		-	0.4	0.6	0.6
		at DFT 40 µm		-	0.3	0.6	0.6
	<u>Abrasion resistance (Taber-</u>						
	CS17	1 kg / 1000 rev.	mm ³	40	23	28	28
S42	5.4 N / 100 rev.	mm ³	122	102	103	90	

More information on this topic:

[Matt UV Clear Varnish, Topcoat: Matting Constancy and Cost Reduction by Neuburg Siliceous Earth](#)

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