

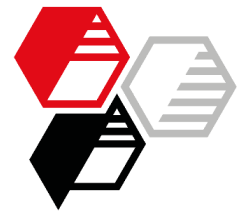


Industrial coating
Road marking paint, white

Basis	Styrene acrylate			
	S 21406.1		[2]	[4]
Component A	Burnock AC 4010	(1)	200.0	200.0
	Shellsol A 100	(2)	59.6	59.6
	Luvogel 4	(3)	7.3	7.3
	Anti-Terra-U	(4)	5.8	5.8
	Sojalecithin	(5)	2.7	2.7
Component B	Luzenac EL 20	(6)	22.7	22.7
	Kronos 2190	(7)	90.9	90.9
	Omyacarb 15	(8)	277.3	277.3
	Aerosil 200	(9)	3.6	3.6
	SILLITIN Z 89	(10)	175.1	---
	SILLITIN V 88	(10)	---	175.1
Component C	Isopropanol		18.2	18.2
	Acetone		21.0	21.0
Component D	Heptane		68.0	68.0
	Total parts by weight		952.2	952.2

Recommendation [2] SILLITIN Z 89: superior hiding power, lower wear of processing units
 [4] SILLITIN V 88: lower yellow tinge

- Mixing**
- charge component A
 - stir in component B
 - add component C
 - disperse by dissolver with adapted bead mill for 20 min at 7.8 m/s
 - complete by component D



S 21406.1		[2]	[4]	
Technical Data	Fineness of grind	µm	50 - 60	50 - 60
	Flow time, DIN 6 mm flow cup	s	20 ± 5	20 ± 5
	PVC	%	60,9	60,9
	Non volatile matter	Vol-%	52.1	52.1
Properties	Drying stage 4 (acc. to DIN 53150, 600 µm wet)	min	47	49
	Abrasion loss (ASTM D 4060-01: CS 17, 1 kg, 1000 rev.)	mg	380	304
	Color (geometry 45/0, 250 µm dry)			
	L*		93.31	93.42
	a*		-0.61	-0.66
	b*		6.75	5.13
	Chromaticity coordinate x (DIN EN 1436))*	0.3239	0.3209
	Chromaticity coordinate y (DIN EN 1436))*	0.3422	0.3391
)* <u>key data limiting the color space for white road marking paints acc. to DIN EN 1436</u>			
		1	2	3
x	0.355	0.305	0.285	0.335
y	0.355	0.305	0.325	0.375
Dry film thickness for contrast ratio = 98 %	µm	109	122	
Contrast ratio at 250 µm wet film thickness	%	99.1	99.4	

Suppliers

- (1) DIC Performance Resins
- (2) Shell Chemicals
- (3) Lehmann & Voss
- (4) Byk Chemie
- (5) Overlack
- (6) Imerys Talc
- (7) Kronos International
- (8) Omya
- (9) Evonik Industries
- (10) HOFFMANN MINERAL

More information on this topic:

[Neuburg Siliceous Earth for White Solvent Based Road Marking Paints](#)

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