

**Industrial coating**  
**Road marking paint, white**  
**Titanium dioxide reduced**

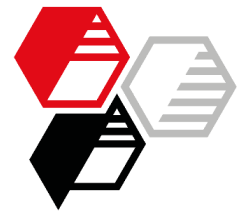
<b>Basis</b>		Styrene acrylate		
	S 21406.1		[15]	[17]
<b>Component A</b>	Burnock AC 4010	(1)	200.0	200.0
	Shellsol A 100	(2)	59.6	59.6
	Luvogel 4	(3)	7.3	7.3
	Anti-Terra-U	(4)	5.8	5.8
	Sojalecithin	(5)	2.7	2.7
<b>Component B</b>	Luzenac EL 20	(6)	22.7	22.7
	Kronos 2190	(7)	70.0	72.0
	Omyacarb 15	(8)	277.3	277.3
	Aerosil 200	(9)	3.6	3.6
	SILLITIN Z 89	(10)	188.3	---
	SILLITIN V 88	(10)	---	187.1
<b>Component C</b>	Isopropanol		18.2	18.2
	Acetone		21.0	21.0
<b>Component D</b>	Heptane		68.0	68.0
	Total parts by weight		944.5	945.3

**Recommendation**

[15] SILLITIN Z 89: superior hiding power, lower wear of processing units  
 [17] 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



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<b>Technical Data</b>	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	
<b>Properties</b>	Drying stage 4 (acc. to DIN 53150, 600 µm wet)	min	51	56	
	Abrasion loss (ASTM D 4060-01: CS 17, 1 kg, 1000 rev.)	mg	375	361	
	Color (geometry 45/0, 250 µm dry)				
	L*		92.63	92.80	
	a*		-0.56	-0.70	
	b*		7.37	5.36	
	Chromaticity coordinate x (DIN EN 1436)	)*	0.3252	0.3214	
	Chromaticity coordinate y (DIN EN 1436)	)*	0.3434	0.3396	
	)* <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	107	123		
Contrast ratio at 250 µm wet film thickness	%	98.9	98.6		

**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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