

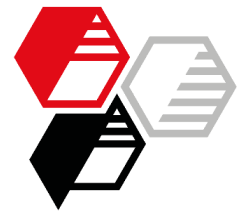


Industrial coating
Road marking paint, water-based, white
Titanium dioxide reduced, wet film thickness 600 µm
high abrasion resistance

Basis		Acrylic emulsion		
	S 11401.3		[20]	[24]
Component A	Fastrack 53	(1)	366.0	366.0
	Foamaster MO 2134	(2)	2.4	2.4
	AS 238 NF	(3)	8.2	8.2
Component B	Tioxide TR92	(4)	58.0	58.0
	Calcitec V40S	(5)	399.0	399.0
	SILFIT Z 91	(6)	80.0	80.0
Component C	Silquest A-1100	(8)	---	0.8
Component D	Triton X-405)*	(1)	2.9	2.9
Component E	Ethanol		11.8	11.8
	Foamaster MO 2134	(2)	0.3	0.3
	Deionized water		18.1	18.1
Component F	Texanol	(7)	38.0	38.0
	Total parts by weight		984.7	985.5
)* Triton X-405 is no longer available Recommended: Tergitol 15-S-40 (70 %)			(1)
	Deionized water for dilution to application viscosity (flow time approx. 15 s in 6 mm DIN flow cup)		9.8	13.8
	Total parts by weight, diluted		994.5	999.3

Recommendation **cost-effective by reduced titanium dioxide content**
 [20] good hiding power
 [24] higher abrasion resistance

- Mixing**
- charge component A and stir in component B
 - add component C drop by drop
 - add component D drop by drop
 - pre-mix and add component E
 - complete by component F
 - disperse by dissolver at 3.1 m/s for 10 min
 - adjust flow time by deionized water to 15 s (6 mm DIN flow cup)



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Technical Data	Fineness of grind	µm	15-20	15-20
	Solids content by volume, prior to dilution	Vol-%	60.5	60.5
	Solids content by volume, diluted	Vol-%	59.6	59.1
Properties	Viscosity at 100 s ⁻¹ , undiluted	mPa·s	490	480
	Viscosity at 100 s ⁻¹ , after dilution	mPa·s	360	310
	Drying stage 4 acc. to DIN 53150	min	101	114
	600 µm wet film thickness			
	Abrasion loss	mg	267	235
	ASTM D 4060-01: CS 17, 1 kg, 1000 rev.			
	Color			
	geometry 45/0, 250-270 µm dry film thickness			
	L*		94.06	93.99
	a*		-0.30	-0.31
b*		4.58	4.56	
Chromaticity coordinate x (DIN EN 1436))*	0.3215	0.3214	
Chromaticity coordinate y (DIN EN 1436))*	0.3397	0.3397	
)* <u>key data limiting the color space for white road marking paints acc. to DIN EN 1436</u>				
	1	2	3	4
x	0.355	0.305	0.285	0.335
y	0.355	0.305	0.325	0.375
contrast ratio at a wet film thickness of 600 µm	%	99.3	99.3	
Suppliers	(1)	Dow Chemical Company		
	(2)	BASF		
	(3)	Lefrant-Rubco S.A.		
	(4)	Huntsman Pigments		
	(5)	Mineraria Sacilese		
	(6)	HOFFMANN MINERAL		
	(7)	Eastman Chemical Company		
	(8)	Momentive Performance Materials		

More information on this topic:

[Neuburg Siliceous Earth in Road Marking Paints, Water-based, White, Wet Film Thickness 600 µm](#)

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