

Industrial coating

2K Epoxy primer surfacer, water-based, yellow

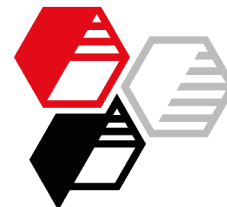
high requirements for sandability and corrosion protection

e. g. for trains

Basis Epoxy resin (solid epoxy resin and hydrophobic amine))

L 00046.1		[2]	[1]	[6]	
Component A	<i>-- part 1 --</i>				
	Demineralized water		30.50	30.50	32.00
	Additol VXW 6208	(1)	3.30	3.30	3.30
	Additol VXW 6393	(1)	0.15	0.15	0.15
	Texanol	(2)	0.60	0.60	0.60
	<i>-- part 2 --</i>				
	AKTIFIT AM	(3)	---	29.80	---
	AKTISIL AM	(3)	29.80	---	44.80
	Kronos 2190	(4)	8.00	8.00	8.00
	Bayferrox 3920	(5)	2.50	2.50	2.50
	Bayferrox 130	(5)	0.03	0.03	0.03
	Microcalc IT Extra	(6)	15.00	15.00	---
	<i>-- part 3 --</i>				
	Additol VXW 6388	(1)	0.60	0.60	0.60
	Methoxy propanol		1.00	1.00	1.00
	<i>-- part 4 --</i>				
	Beckocure EH 2261w/41WA	(1)	24.20	24.20	24.20
	TACorr MSW	(7)	2.00	2.00	2.00
	flashproTAC C4E	(7)	0.40	0.40	0.40
Total parts by weight		118.08	118.08	119.58	
Component B	Beckopox EP 387w/52WA	(1)	41.30	41.30	41.30
	Demineralisiertes Wasser		4.60	4.60	4.60
	Total parts by weight		45.90	45.90	45.90

Recommendation [2] good sandability, very good corrosion protection with excellent substrate adhesion
 [1] most effective sandability for high-speed machine grinding, good corrosion protection
 [6] high storage stability and best sedimentation protection, early sandability, preferably for manual grinding process, good corrosion protection



L 00046.1

[2]

[1]

[6]

Preparation

Component A

- mix raw materials from part 1
- stir in raw materials of part 2 in the indicated order and disperse by dissolver with toothed disc to a particle size of 20 µm
- successively add the raw materials from parts 3-5 for completion

Component B

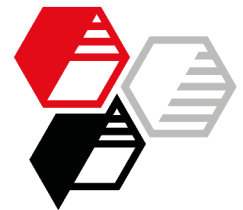
- mix raw materials

Application

- mix component A and B shortly before application
- undiluted with doctor blade, single layer
- substrate: cold-rolled steel Q-Panel Type R-48
- drying: 7 days @ standard climate 23/50; for sandability: as indicated
- dry film thickness: ≈ 80 µm

Suppliers

- (1) Allnex
- (2) Eastman Chemical Company
- (3) HOFFMANN MINERAL
- (4) Kronos International
- (5) Lanxess
- (6) Elementis
- (7) Stratmans High TAC



50 pbw barium sulfate ppt
15 pbw talc

Control [2] [1] [6]

Technical data

Mixing ratio A : B			all: 2,2 : 1			
Degree of cross-linking			all: 53			
Solids content m/m	%	63.7	54.8	54.8	54.3	
Solids content v/v	%	43.9	39.8	39.8	39.5	
PVC	%	42.0	42.0	42.0	42.4	

Properties

Sedimentation stability component A 28 days @ 40 °C		poor	good	moderate	very good	
Dyn. viscosity A+B 23 °C	0.1 s ⁻¹	Pa·s	23.9	10.1	9.0	10.7
	1000 s ⁻¹	Pa·s	0.21	0.13	0.11	0.12
Pendulum hardness Koenig	s	38	45	48	48	
Cross-cut test 2 mm, after tape tear-off		0	0	0	1	

Salt spray test, DIN EN ISO 9227 NSS, 300 h
rating according to DIN EN ISO 4628 part 2-5 and 8

Cross-cut test 2 mm, after 24 h, after tape tear-off		2	0-1	1-2	3
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scribe :Sikkens

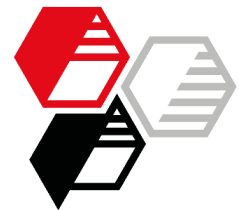


Degree of blistering		2-3 (S5)	0 (S0)	0 (S0)	0 (S0)
Degree of rusting		Ri 3 (S5)	Ri 0	Ri 0	Ri 0
Degree of cracking		all: 0 (S0)			
Degree of flaking		all: 0 (S0)			

stripped



Delamination / corrosion	mm	6	< 2	< 2	< 2
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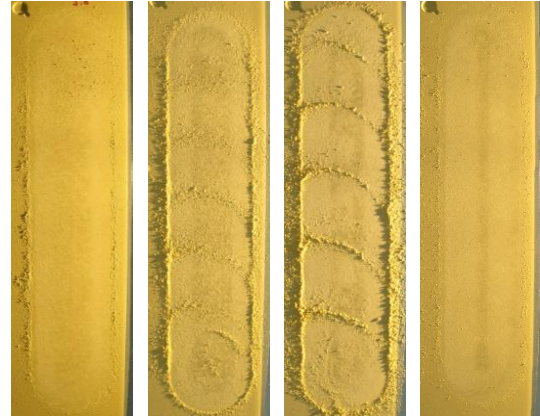
50 pbw barium sulfate ppt
15 pbw talc

Control [2] [1] [6]

Machine sandability

30 mm disc, P240, dry, 2000 rpm, 15 strokes a 15 cm, load 14 g/cm²

drying:
16 h @ 23 °C
+ 2 h @ 60 °C convection

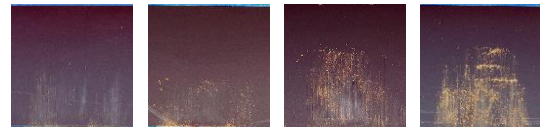


Total loss	mg	80	93	138	51
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Manual sandability

P240 dry, load 125 g/cm²

Trocknung:
2 h @ 40 °C Umluft
(frühe Schleifbarkeit)



insufficient	moderate	good	very good
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drying:
16 h @ 23 °C
+ 2 h @ 60 °C convection



good	good-very good	very
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More information on this topic:

[Neuburg Siliceous Earth in Water-based Sandable 2C Epoxy Primer Surfacer for Trains](#)

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