

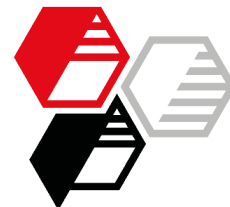
**2K-Polyaspartic floor coat**  
**self-leveling, solvent-free**  
**reduced sedimentation, high hiding power**

**Basis** Polyaspartic (polyaspartic ester / isocyanate HDI)

			Kontrolle EWO	SILLITIN Z 89	SILFIT Z 91	AKTIFIT AM
	L00053.2		[1]	[3]	[8]	[9]
<b>Component A</b> <i>Grinding</i>	Desmophen NH 1423 LF	(1)	16.50	16.50	16.50	16.50
	Sylosiv A4	(2)	1.09	1.09	1.09	1.09
	Byk-327	(3)	0.34	0.34	0.34	0.34
	Disperbyk 2205	(3)	0.17	0.17	0.17	0.17
	Kronos 2360	(4)	3.44	3.44	3.44	3.44
	EWO	(5)	25.16	---	---	---
	SILLITIN Z 89	(6)	---	14.87	---	---
	SILFIT Z 91	(6)	---	---	14.87	---
	AKTIFIT AM	(6)	---	---	---	14.87
<i>Let Down</i>	Desmophen NH 1423 LF	(1)	8.21	8.21	8.21	8.21
	Desmophen NH 1723 LF	(1)	10.59	10.59	10.59	10.59
	CSTIColor NH White 6	(7)	3.35	3.35	3.35	3.35
	Total parts by weight component A		68.85	58.56	58.56	58.56
<b>Component B</b>	Desmodur ultra N 31100	(1)	31.15	31.15	31.15	31.15
	Total parts by weight component A +B		100.00	89.71	89.71	89.71

Crosslinking ratio NCO/OH approx. 110 %

<b>Recommendation</b>	[3]	SILLITIN Z 89	- cost-effective standard product - significantly improved storage stability and reduced sedimentation - high hiding power - for even better dispersibility: SILLITIN Z 89 PURISS
	[8]	SILFIT Z 91	like SILLITIN Z 89, but additionally - higher color neutrality
	[9]	AKTIFIT AM	like SILFIT Z 91, but additionally - best abrasion resistance

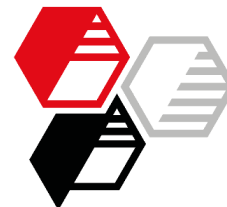


- Mixing**
- dissolver with toothed disc
  - prepare Desmophen und additives
  - stir in titanium dioxide and filler
  - disperse 15 min @ 11 m/s
  - target temperature >60 °C (necessary for direct incorporation of Disperbyk 2205)
- Component A**
- Let Down: add remaining components
  - stir 5 min @ 4.2 m/s
- Processing A+B**
- allow component A to mature for at least 24 h before use
  - speedmixer
  - 60 s @ 1000 rpm + 120 s @ 2000 rpm

	Kontrolle EWO	SILLITIN Z 89	SILFIT Z 91	AKTIFIT AM
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**Properties**

Storage stability component A, after 4 weeks @ room temperature					
Clear supernatant	%	49	2	0	0
Sediment	%	14	2	5	5
Sediment properties		hard	soft	soft	very soft
Viscosity component A					
@ 0.1 s <sup>-1</sup>	Pa·s	1.8	3.1	2.6	3.1
@ 1000 s <sup>-1</sup>	Pa·s	1.4	1.8	1.9	2.0
Viscosity component A+B					
@ 0,1 s <sup>-1</sup>	Pa·s	4.2	8.8	6.8	5.7
@ 1000 s <sup>-1</sup>	Pa·s	2.8	4.2	3.6	3.6
Processability					
Leveling		good	good	good	good
Deaeration		good	good	good	good
Color CIELab, d/8, 300 µm dry film thickness (dft)					
L*	-	97.2	95.1	95.5	95.7
a*	-	-0.8	-0.4	-0.7	-0.7
b*	-	1.4	4.8	1.8	1.8
dft for contrast ratio 98 %	µm	308	254	257	260
Gloss 20°	GU	86	87	86	87
Gloss 60°	GU	93	94	94	93
Haze	HU	42	23	29	26
Abrasion resistance					
S42 (5,4 N, 100 U)	mg	95	70	77	68
CS17 (1 kg, 1000 U)	mg	37	55	36	31



<b>Suppliers</b>	(1)	Covestro
	(2)	Grace
	(3)	Byk Chemie
	(4)	Kronos International
	(5)	Sachtleben Minerals
	(6)	HOFFMANN MINERAL
	(7)	CSC Jäcklechemie

***More information on this topic:***

[Neuburg Siliceous Earth - Floor coating based on 2K polyaspartic](#)

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