

**2K-PU flooring**  
**flexible, self-leveling, solvent-free**  
**50/65/75 Shore A**

**Polyol** branched polyalcohol with ester and ether groups  
**Isocyanate** aromatic polyisocyanate based on MDI

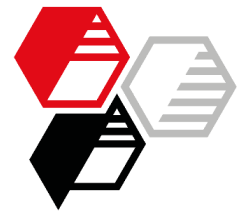
		Guide Formulation RR 5322 (05/92) of Covestro			
		V 44409.0	A	B	C
<b>Component A</b>	Setathane D 1150	(1)	28.6	28.8	24.0
	Setathane D 1155	(1)	11.3	11.4	9.5
	Desmophen 5028 GT	(2)	16.9	17.1	14.2
	UOP L-paste	(3)	6.5	6.5	5.4
	SILLITIN Z 86	(4)	12.3	12.3	10.2
	Pigment, e. g. Colortherm Green GN	(5)	4.4	4.5	3.7
	Byk-A 501	(6)	0.4	0.4	0.3
	Addocat PP	(7)	2.2	0.3	0.3
<b>Component B</b>	Desmodur VL	(2)	19.4	---	---
	Desmodur VL 50	(2)	---	18.7	---
	Desmodur E 23	(2)	---	---	32.4
	Total parts by weight		100.0	100.0	100.0
Mixing ratio A : B (parts by weight)			10 : 2.4	10 : 2.3	10 : 4.8
Crosslinking NCO/OH			1.1	1.1	1.1

**Recommendation** For better dispersibility and mechanical properties SILLITIN Z 86 PURISS is recommended.

**Mixing** Component A can be prepared using any conventional grinding equipment such as a single or triple mill roll. Vacuum dissolvers have proved to be particularly effective as they allow the removal of air trapped during dispersion.

**Processing** The components A and B are mixed homogeneously.  
 Use trowel, spreading comb or doctor knife for application. Further flow of the coating can be stimulated by rolling with a spiked roller and thereby the degassing is improved.

**Note** The crosslinking with Desmodur E 23 can result in surface defects such as blisters, pinholes, etc.). Sprinkling on EPDM rubber granules permits the creation of a non-skid, solid PU surface (5-8 mm thick), e. g. for sports and playing areas.



		V 44409.0	A	B	C	
<b>Technical Data</b>	Density, 20°C	g/cm <sup>3</sup>	1.2	1.2	1.2	
	Pot life, 23°C	min	50	45	50	
	<u>Composition (% by weight)</u>					
	Binding agent		76.2	76.0	80.1	
	Filler and pigment		16.7	16.8	13.9	
	Additives		7.1	7.2	6.0	
	<u>Mechanical properties after storage 3d/50°C</u>					
	Hardness	DIN ISO 7619-1	Shore A	75	65	50
	Tensile strength	DIN 53504	MPa	11	8	5
	Elongation at break	DIN 53504	%	120	180	210
Tear resistance	DIN ISO 34-1, B	N/mm	17	14	8	
<b>Suppliers</b>	(1)	Nuplex Resins				
	(2)	Covestro				
	(3)	UOP				
	(4)	HOFFMANN MINERAL				
	(5)	Lanxess				
	(6)	Byk Chemie				
	(7)	Rhein Chemie				

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