



2K-PU joint sealant for floor joints, pourable
good chemical resistance
30 Shore A

Polyol linear, aliphatic polycarbonate polyester
Isocyanate aromatic polyisocyanate based on MDI

	Guide Formulation RR 5512 (08/95) of Covestro		V 44403.0 [1]
Component A	Desmophen C 1200	(1)	20.0
	Mesamoll	(2)	22.0
	UOP L-paste	(3)	2.0
	Pigment		2.0
	Efka RM 1920	(4)	3.0
	Dabco 33-LV	(5)	0.3
	Oleic acid (e. g. Edenor Ti 05)	(6)	0.3
	SILLITIN Z 86	(7)	10.0
EWO	(8)	20.4	
Component B	Desmodur VL 50	(1)	4.7
	Desmophen C 1200	(1)	8.0
	Mesamoll	(2)	7.3
Total parts by weight			100.0

Mixing ratio A : B 4 : 1 parts by weight
 Pot life approx. 35 min
 Pot life after storage 4 weeks at 50°C approx. 55 min
 material is tack-free after 24 h

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

Note Rilanit Micro Special, which is used in component A, is a thixotropic agent (hardened castor oil) and has to be incorporated at a temperature of 30-40°C.

Oleic acid blocks the catalyst Dabco 33-LV (1,4 Diazabicyclo(2,2,2)-octane). This permits a longer pot life.
 Because the blocking of the catalyst needs some time, it is recommended that component A stands at least 24 h after production.



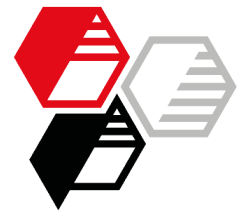
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Technical Data				
Hardness	DIN ISO 7619-1	Shore A		30
Tensile strength	DIN 53504	MPa		5.2
Elongation at break	DIN 53504	%		650
Tear resistance	DIN ISO 34-1, B	N/mm		5.7

Chemical resistance

Test agents (see page 3)	Weight change after 40 days in %	Elongation at break after 40 days in %	Tensile strength after 40 days in %
unimmersed	-	-	5.2
1	-15	650	10.2
2	-1.5	590	9.8
3	-5	600	9.6
4	+180	560	9.4
4a	+200	580	9.3
5	-14	580	9.8
6	+370	570	9.6
7	+150	570	10.8
8	+16	660	7.0
9	+26	570	5.3
10	+0.5	700	6.0
11	+0.3	520	3.7
12	+0.4	580	6.4

Elongation at break and tensile strength were tested after the immersed samples were dried for 3 days at 50°C (according to DIN 53 504).



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1	Diesel Fuel (DIN 51 600)	50 Vol-% isooctane 50 Vol-% toluene
2	Aviation Fuel	
3	Heating Oil EL (DIN 51 603 part 1) and Diesel Fuel (DIN 51 601)	Test mix A 20/NP II from J. Haltermann, D-Hamburg
4	all hydrocarbons (including 1-3) but except 4a	60 Vol-% toluene 30 Vol-% xylene 10 Vol-% methylnaphthalene
4a	Benzene and benzene containing mixtures (including 1-4)	30 Vol-% benzene 30 Vol-% toluene 30 Vol-% xylene 10 Vol-% methylnaphthalene
5	primary or multivalent alcohols, glycol ethers	48 Vol-% methanol 48 Vol-% isopropanol 4 Vol-% water
6	aliphatic chlorinated hydrocarbons	trichloroethylene
7	aliphatic esters and ketones	50 Vol-% ethyl acetate 50 Vol-% methyl isobutyl ketone
8	aliphatic aldehydes	aqueous solution of formaldehyde, 37 %
9	aqueous solution of organic acids 10 %	acetic acid, 10 %
10	mineral acids other than hydrofluoric acid, together with hydrolyzing acidic salts (pH < 6) in aqueous solution 20 %	sulfuric acid, 20 %
11	inorganic alkalines together with hydrolyzing alkaline salts (pH > 9) in aqueous solution 20 %	sodium hydroxide, 20 %
12	salts solution with pH 6-8	sodium chloride, aqueous solution 20 %

Suppliers

- (1) Covestro
- (2) Lanxess
- (3) UOP
- (4) BASF
- (5) Evonik Industries
- (6) Emery Oleochemicals
- (7) HOFFMANN MINERAL
- (8) Sachtleben Minerals

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