1K STP-U adhesive, Desmoseal S XP 2636
75 Shore A

Basis silane-terminated polyurethane

	Start formulation of Covestro		BBB 7372 (01/16)
Step 1	Desmoseal S XP 2636	(1)	32.81
	Mesamoll	(2)	8.53
	Irganox 1135	(3)	0.49
	Fibadur 04007284	(4)	0.10
	CAB-O-SIL TS-720	(5)	1.97
	SILLITIN Z 86	(6)	51.66
	Dynasylan VTMO	(7)	2.20
	Metatin Catalyst 850	(8)	0.04
Step 2	Dynasylan 1146	(7)	1.10
	Dynasylan 1505	(7)	1.10
	Total parts by weight		100.00

Mixing

For the production of this adhesive a vacuum dissolver with side scraper is needed (vacuum dissolver PC-LBDV 7, PC Laborsystem).

Step 1:
The components are homogenized successively under stirring; if necessary the filler may be added in several portions. The drying agent VTMO and the catalyst are added shortly before dispersion.
The dispersion has to be made under cooling (inside temperature: < 70 °C) under static vacuum (< 200 mbar) for:
- approx. 10 min at 2500 rpm (dissolver) + 250 rpm (butterfly) and
- approx. 10 min at 1000 rpm (dissolver) + 100 rpm (butterfly)

The water content after dispersion should be < 200 ppm.

Step 2:
The components are homogenized with the mixture from step1.
The dispersion has to be made under cooling (inside temperature: < 70 °C):
- approx. 10 min at 1000 rpm (dissolver) + 100 rpm (butterfly) under static vacuum (< 200 mbar))
- approx. 5 min at 1000 rpm (dissolver) + 100 rpm (butterfly) under dynamic vacuum

Note

The adhesive should be filled only into plastic cartridges or into inside coated aluminum cartridges.

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BBB 7006 (01/16)

Properties

Film drying time (drying recorder 100 µm wet)		h	1:40
Hardness	acc. to DIN ISO 7919-1	Shore A	75
Tensile strength	acc. to DIN 53504	MPa	6.8
Elongation at break	acc. to DIN 53504	%	115
Lap shear strength beech/beech, acc. to DIN EN 205			
without layer gap, 7d		MPa	4.5
without layer gap, 28d		MPa	6.5
with 1 mm layer gap, 7d		MPa	4.5
with 1 mm layer gap, 28d		MPa	6.7

Suppliers

(1) Covestro
(2) Lanxess
(3) BASF
(4) Finke Colors
(5) Cabot
(6) HOFFMANN MINERAL
(7) Evonik Industries
(8) Acima

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