

Guide Formulation 750/60

Market Segment	Resins
Coating type	UV-stable flexible 2 pack outdoor coating
Binder components	Sovermol 750 [®] & Sovermol 45 [®] - HDI trimer 23% NCO-content

	Pos.	Trade name	Function	parts
Component A	1.	Sovermol [®] 750	Base polyol	30,0
	2.	Sovermol [®] 45	Co-polyol	10,0
	3.	Finma sorb 430 PR	Molecular sieve	6,5
	4.	Texaphor [®] P63	Dispersing/wetting agent	1,0
	5.	Vocaplast yellow 83	Pigment paste	3,5
	6.	Baryte C14	Filler/Pigment	21,0
	7.	Millisil W12	Filler	26,5
	8.	Perenol [®] E8	Defoamer	1,0
	9.	Hydropalat [®] 3037	Dispersing/wetting agent	0,5
				Total 100
Component B		HDI trimer (e.g. Basonat LR 9046)	Hardener	49
		+ 1% K-Kat 6212 (Worleé)	Catalyst	0,49
				Total 49 parts

Preparation

**Start with components 1 to 4 and than add under stirring 7 m/s No. 5, 6 and 7. Disperse 15 minutes at 5 m/s.
Reduce the speed to 3 m/s and add components 8 & 9.
Continue stirring further approx. 5 min at 3 m/s.
! If possible under vacuum !**

Guide Formulation 750/60

Mechanical properties

Geltime (30g mass @ 23°C)	19 min*
Shore A hardness after 1 day	83 (3 sec.)
End Shore A/D hardness	A96 / D75 (3 sec.)
Elongation	39 %
Tear resistance	25 N/mm
Tensile strength	8 MPa
Abrasion (CS17-1000 rotations/1kg weight)	120 mg (flooring thickness 330µm)

**Depends on catalyst amount*

Guide Formulation 750/60



Product		Company	Homepage
Sovermol [®] 750	1.	Basf PCN GmbH	http://www.cognis.com/company/
Sovermol [®] 45	2.	Basf PCN GmbH	http://www.cognis.com/company/
Finma sorb 430 PR	3.	Finma Chemie	http://www.finma-chemie.de/
Texaphor [®] P63	4.	Basf PCN GmbH	http://www.cognis.com/company/
Vocaplast yellow 83	5.	ARICHEMIE GmbH	http://www.arichemie.com
Baryte C14	6.	Sachtleben Chemie GmbH	http://www.sachtleben.de
Millisil W12	7.	Quarzwerke GmbH	http://www.hpfminerals.com/home
Perenol [®] E8	8.	Basf PCN GmbH	http://www.cognis.com/company/
Hydropalat [®] 3037	9.	Basf PCN GmbH	http://www.cognis.com/company/
Basonat [®] LR 9046	B.1	Basf	http://www.basf.com/group/corporate/de/
K-Kat 6212	B.2	Worlée-Ch. GmbH	http://www.worlee.de/

Explanations