

# Guide Formulation 805/09



Market Segment	Resins
Coating type	Self leveling 2-pack polyurethane flooring compound
Binder components	Sovermol 805 <sup>®</sup> & Sovermol 1092 <sup>®</sup> - Polymer MDI 31% NCO-content

	Pos.	Trade name	Function	parts
<b>Component A</b>	1.	Sovermol <sup>®</sup> 805	Base polyol	39,0
	2.	Sovermol <sup>®</sup> 1092	Co-polyol	15,5
	3.	Finma sorb 430 PR	Molecular sieve	6,5
	4.	Texaphor <sup>®</sup> SF71	Dispersing/wetting agent	0,5
	5.	Quarz powder W4	Filler	15,0
	6.	Quarz powder W12	Filler	15,0
	7.	Heucosin grey	Pigment powder	3,0
	8.	Kronos 2160	Filler/Pigment	4,0
	9.	Perenol <sup>®</sup> E8	Defoamer	1,0
	10.	Hydropalat <sup>®</sup> 3037	Dispersing/wetting agent	0,5
				Total 100

<b>Component B</b>	Polymer MDI (e.g. Lupranat M20S)	Hardener	27
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Total 27 parts

Preparation **Start with components 1 to 5 and than add under stirring 7 m/s No. 6, 7 and 8. Disperse 20 minutes at 5 m/s. Reduce the speed to 3 m/s and add components 9 & 10. Continue stirring further approx. 5 min at 3 m/s. ! If possible under vacuum !**

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### Mechanical properties

Geltime (30g mass @ 23°C)	75 min
Shore D hardness after 1 day	35 (3 sec.)
End Shore D hardness	72 (3 sec.)
Elongation	9%
Tear resistance	69 N/mm
Tensile strength	16 MPa
Abrasion (CS17-1000 rotations/1kg weight)	113 mg (flooring thickness 230µm)

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Product		Company	Homepage
Sovermol <sup>®</sup> 805	1.	Basf PCN GmbH	<a href="http://www.basf.com/group/corporate/de/">http://www.basf.com/group/corporate/de/</a>
Sovermol <sup>®</sup> 1092	2.	Basf PCN GmbH	<a href="http://www.basf.com/group/corporate/de/">http://www.basf.com/group/corporate/de/</a>
Finma sorb 430 PR	3.	Finma Chemie	<a href="http://www.finma-chemie.de/">http://www.finma-chemie.de/</a>
Texaphor <sup>®</sup> SF71	4.	Basf PCN GmbH	<a href="http://www.basf.com/group/corporate/de/">http://www.basf.com/group/corporate/de/</a>
Quarz powder W4	5.	Quarzwerte Frechen	<a href="http://www.quarzwerte.de/home">http://www.quarzwerte.de/home</a>
Quarz powder W12	6.	Quarzwerte Frechen	<a href="http://www.quarzwerte.de/home">http://www.quarzwerte.de/home</a>
Heucosin grey	7.	Heubach GmbH	<a href="http://www.heubachcolor.de/">http://www.heubachcolor.de/</a>
Kronos 2160	8.	Kronos Worldwide, Inc.	<a href="http://www.kronos.de/">http://www.kronos.de/</a>
Perenol <sup>®</sup> E8	9.	Basf PCN GmbH	<a href="http://www.basf.com/group/corporate/de/">http://www.basf.com/group/corporate/de/</a>
Hydropalat <sup>®</sup> 3037	10.	Basf PCN GmbH	<a href="http://www.basf.com/group/corporate/de/">http://www.basf.com/group/corporate/de/</a>
Lupranat <sup>®</sup> M20S	B.1	Basf	<a href="http://www.basf.com/group/corporate/de/">http://www.basf.com/group/corporate/de/</a>

Explanations