BASF
The Chemical Company

Guide Formulation 750/HI2000

UV stable filled Coating for composites substrates

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Guide formulation nr. 750/HI 2000

Specific Properties / Advantages / Strength /Characteristics

- Excellent self levelling properties
- Less surface defects under critical curing conditions
- Variable pot life with fast hardness development
- Semi hard, flexible performance with excellent tear resistance

UV stable filled Coating for composites substrates

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- Equipment: Dissolver or vacuum dissolver.
  Ratio of Ø dissolver blade to Ø container approx. 6 : 10

No.	Parts	Product	Supplier
1.	40,0	Sovermol® 750	BASF
2.	0.5	Efka®4672	BASF
3.	6,5	Zeolith Paste (50%)	UOP
Start with components 1 to 3 and than add under stirring 7 m/s No. 4, 5 and 6.			
4.	4,0	Pigment (past or powder)	Use local producer
5.	21,0	Baryte C 14	Sachtleben
6.	26,5	Millisil W 12	Quartz powder - Quarzwerke
Disperse 15 minutes at 5 m/s (if possible under vacuum). Reduce the speed to 3 m/s and add component 7. Continue stirring further approx. 5 min at 3 m/s.			
7.	1,0	Efka®PB 2744	BASF

Recommended mixing ratio of the filled polyol component with HDI isocyanate (20 % NCO) A:B = 100 : 47**

***Isocyante + 1,0% K-Kat XC 6212 (Worlee`)**

****** Basonat® HI 2000 - BASF**

Mechanical Properties	
Geltime (30g mass @ 23°C)	20 min*
Shore A hardness after 1 day	47 (3 sec)
End Shore A/D hardness	89/45 (3 sec)
Tensile strength	12 MPa
Elongation	42 %
Tear resistance	59 N/mm