



## Industrial coating

### 1K Stoving soft feel lacquer, redbrown, matte Desmophen 1652 and Desmodur BL 3175

**Basis** Polyurethane

Guide Formulation of Deuteron (equal to RR 6835 of Covestro)		RR 88
<b>Grinding stage</b>	Desmophen 1652	(1) 301.0
	Kronos 2160	(2) 10.2
	Heucodur Yellow 6R	(3) 8.8
	Bayferrox 130 M	(4) 69.4
	Lamp Black 101	(5) 3.5
	SILLITIN Z 86	(6) 24.9
	CAB-531-1 10 % in Solvesso 200 / butyl diglycol (2:1)	(7) 62.2
	Acronal 4 F 50 % in Solvesso 200	(8) 12.4
	Bentone 38 10 % swelling )*	(9) 24.9
Solvesso 200	(9) 182.7	

*disperse by bead mill to a fineness of grind < 5 µm*

<b>Let-down stage</b>	Desmodur BL 3175 SN	(1) 107.5
	Dibutyl-tin-dilaurate, 10 %	12.4
	Lanco TF 1778	(10) 19.6
	Deuteron MK	(11) 36.5
	Acematt OK 412	(12) 14.7
	Solvesso 200	(9) 109.3
<b>Total parts by weight</b>		<b>1000.0</b>

)\* 10 % Bentone swelling:

Bentone 38	10.0	(13)
Anti-Terra-U	5.0	(14)
Solvesso 200	85.0	(9)

prepare by stirring (15 m/s, 10 min)

#### Note

The combination of CAB-531-1 and Acronal 4 F ensures good deaeration and flow properties.  
Without dibutyl-tin-dilaurate as a catalyst, a significantly increased PMT is necessary.  
The soft-feel effect can be adjusted individually by increasing the amount of matting agent Deuteron MK.



RR 88

<b>Composition in % (approx.)</b>	Binder	38.2
	Pigment	11.7
	Additives	3.5
	Matting agents	5.1
	Solvents	41.5

<b>Technical Data</b>	NCO / OH	1 : 1
	Ratio pigment / binder	0.31 : 1
	Solids content (% by weight)	approx. 59 %
	Viscosity	23°C, DIN EN ISO 2431, 5 mm approx. 100 s
	Stoving conditions	PMT (peak metal temperature) 232°C
	Gloss 60°	approx. 4 GU

<b>Suppliers</b>	(1) Covestro
	(2) Kronos International
	(3) Heubach
	(4) Lanxess
	(5) Orion Engineered Carbons
	(6) HOFFMANN MINERAL
	(7) Eastman Chemical Company
	(8) BASF
	(9) ExxonMobil
	(10) Lubrizol Coating Additives
	(11) Deuteron
	(12) Evonik Industries
	(13) Elementis
	(14) Byk Chemie

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