

LUVATOL Thickening Control for SMC / BMC

Brief Description:

LUVATOL magnesium oxide-, magnesium hydroxide- and calcium hydroxide pastes are commonly used for the thickening of SMC and BMC.

Monomer- and styrene-free unsaturated polyester resins are being used as carrier.

LUVATOL pastes are adjusted to avoid sedimentation to a minimum if proper storage conditions are given.

In detail our **LUVATOL pastes** have following properties:

LUVATOL MK 15 N / MK 25 / MK 25 NV / MK 25 MZ / MK 2050 / EK 25 F

Thickening pastes with medium reactive MgO. Especially designed for easy dosage in continuous and discontinuous processes.

LUVATOL MK 35 / MK 35 NV / MK 3050

Thickening pastes with 35 % medium reactive MgO. Universal paste for SMC und BMC with low initial thickening, therefore, especially suitable for continuous and discontinuous processes. Suitable also in LP- and LS-systems.

LUVATOL MK 40

Thickening pastes with 40 % medium reactive MgO. Universal paste for SMC und BMC.

LUVATOL EK 25 NV / EK 30 NV / EK 30 F / EK 50 F

Thickening pastes with very high reactive MgO. Suitable for use in standard SMC, LP- and LS-systems, BMC and Relining. Very fast initial and defined final thickening (forming of plateau). Not suitable for discontinuous processes.

LUVATOL EK 35 KM / EK 100 KM

Thickening paste with 35 - 50 % high reactive MgO. Suitable for use standard SMC, LP- and LS-systems, and BMC. Not suitable for discontinuous processes.

LUVATOL EH 35

Thickening paste with Mg(OH)₂. Especially used in LP-systems. Slow initial thickening therefore, good glass fibre wetting and penetration. Suitable for continuous and discontinuous processes.

LUVATOL DK 35

Thickening paste with modified Mg(OH)₂ for defined final thickening of BMC. Suitable for CIC-process.

Additional Information:

LUVATOL pastes are supplied in Drums of 120 or 210 l (= 140 - 250 kg), IBCs of 1000 l (= 1000 - 1500 kg)

Under appropriate conditions, storage stability of the most **LUVATOL pastes** are min. 12 months.

The paste should be kept in a cool and dry place, no open-air storage!

Partly used drums must carefully be closed again immediately after use.

Hazard Information: Store tightly closed and in a cool, well-ventilated area. Protect from humidity and direct sunlight. Detailed information in material safety data sheet.



The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Lehmann & Voss & Co. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein described materials or processes in violation of existing or future patents.

Technical Data:									
	Active Ingredients	Reactivity	Viscosity	Density	Application				
	MgO Mg(OH) ₂ Ca(OH) ₂	In relation to external stand- ard (at 70 °C)	(25 °C)	(25 °C)	Standard SMC/BMC	Low Shrink	Low Profile	Low Pressure	Relining
LUVATOL	%	%	mPa s	g/ccm					
MK 15 N	15	80 - 120	4,000	1.50	X	X	X	X	
MK 25	25	90 - 110	4,500	1.55	X	X	X	X	X
MK 25 NV	25	90 - 110	1,000	1.40	X	X	X	X	X
MK 2050 *	25	90 - 110	20,000	1.75	X	X	X	X	
MK 35	35	90 - 110	17,000	1.71	X	X	X		
MK 35 NV	35	90 - 110	10,000	1.64	X	X	X		
MK 3050 *	35	90 - 110	15,000	1.69	X	X	X		
MK 40	40	80 - 120	10,000	1.65	X	X	X		
EK 25 F	29	90 - 110	4,500	1.55	X	X	X		
EK 30 F	27	90 - 110	3,000	1.50	X	X	X		
EK 50 F	45	90 - 110	9,000	1.50	X	X	X		
EK 25 NV	25	80 - 120	4,500	1.50	X	X	X	X	X
EK 30 NV	30	80 - 120	200	1.23	X	X	X	X	X
EK 35 KM	35	80 - 120	6,000	1.57	X	X	X		
EK 100 KM	50	90 - 110	7,000	1.60	X	X	X		
EH 35	35	70 - 130	11,000	1.54			X	X	
DK 35	35	60 - 140	7,000	1.55			X	X	

Other types on request.

* suitable for food contact applications according to Regulation (EU) No. 10/2011

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