



GEOKOM

ENGINEERING
FILLERS

FRAMITEX®

MAGNESIUM HYDROXIDE

MICARB® MIDOL® MITAL® MIBARI® MIWOLL® FRAMICA® FRAMITEX® FRAMIAL® FRAMILITE® FRAMIX® MIKAO®

PRODUCT SHEET

Title	FRAMITEX® Magnesium hydroxide
Standard	TU 2133-011-40705684-2005
Grades	FRAMITEX® 10-97-i 07-97-i 05-97-i 03-97-i 02-97-i «i» – literally and/or digital extension in the grade mark, it means a type of size / conditions of surface treatment and dosage.
Manufacturer	GEOKOM, Russia, Kaluga region, set. Polotnyaniy Zavod, st. Slobodka, 111A, tel/fax + 748434 46006, 44816, 44817
Product description	fine dry powder of the white color
Chemical formula	
Mg(OH) ₂	93÷98%
Fe ₂ O ₃	< 0,5%
Water-soluble substances	< 0,1%
Physical and other parameters	
Density, g/cm ³	2,3÷2,4
Hardness (Mohs)	< 2,5
Refractive Index	1,56÷1,58
pH Index	9,5÷10,5
Humidity,%	< 0,2
Losses on ignition	
350 °C	> 10
400 °C	> 20
450 °C	> 28
500 °C	> 29

Packaging:

- polypropylene containers with polyethylene liners 250-1000 kg each;
- paper valve bags of 10-50 kg on pallets (up to 1200 kg) using transport protection materials.





PRODUCT SHEET

Typical quality indicators of FRAMITEX® magnesium hydroxide

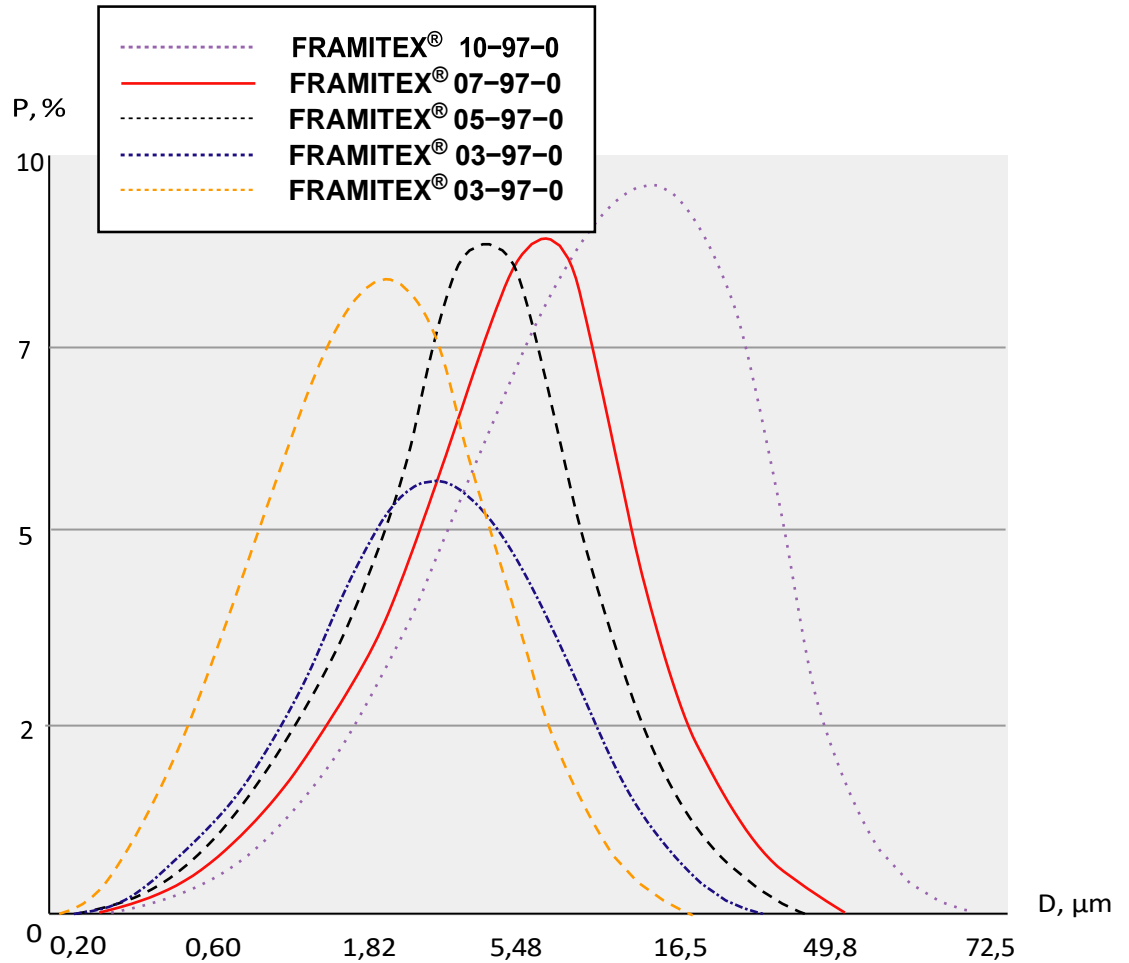
Parameter	FRAMITEX®				
	10-97-0	07-97-0	05-97-0	03-97-0	02-07-0
Fraction of total mass of screening residue №0045, (ISO 787/5), %	3	0,1	0,03	0,01	0,00
Mass fraction of particles with an equivalent sphere diameter, %, size (Microsizer-201A):					
less 20 µm	60	85	95		
less 15 µm	50	70	85	95	
less 10 µm	30	50	75	85	98
less 5 µm	20	30	50	70	95
less 2 µm	5	15	30	40	60
Average particle size distribution, µm (Microsizer-201A):					
medium (D ₅₀)	10	7	5	3	2,2
maximum (D ₉₈)	60	30	25	20	15
minimum (D ₁₀)	5	1.5	1,1	1	0,9
Chromatic preferences:					
whiteness CIELab (ISO 787/1, C/2°), %	95	96	97	97	97
lightness (L) CIELab, %	95	97	97,5	97,5	97,5
brightness DIN 53163 (R _y , C/2°), %	88	93	94	94	94
yellowness ASTM D1925-70 (C/2°), %	4	3	2,5	2,5	2,5
brightness ISO 2470 (R ₄₅₇), %	85	91	92	92	92
whiteness ISO 11475 (D ₆₅ /10°), %	75	85	87	87	87
Density					
(ISO 787/11), g/cm ³	0,8÷1,0	0,8÷0,9	0,7÷0,9	0,6÷0,8	0,5÷0,6
after packing	1,0÷1,1	1,0÷1,1	0,9÷1,0	0,8÷0,9	0,6÷0,7





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Typical weights distribution



The technical information provided here corresponds to the current production regulations, is confirmed by regular factory tests of the products, is as typical as possible, but should not be interpreted as a mandatory specification. It is subject to verification also if there are assumptions about unacceptable conditions of transportation and after-sale storage of products. This technical information may be updated without prior notice due to the introduction of new modes and production technologies, as well as the implementation of the relevant restrictions imposed by the state.

