

**PRODUCT SHEET**

Title **FRAMITEX®**
Modified 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» – literal and/or digital extension in the grade mark,
it means a type of size / conditions of surface
treatment and dosage.

Manufacturer GEOKOM, ZAO, Russia, Kaluga oblast,
p. Polotnyaniy Zavod, ul. Slobodka, 111A,
tel/fax (+08434) 32412, 46006

Product description fine dry powder of the white color

Chemical formula

Mg(OH)₂ 93÷98%

Fe₂O₃ < 0,5%

Water-soluble substances < 0,1%

Physical and other parameters

Density, g/cm³ 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

Basic surface treatment

Fatty acids and derivatives 0%, 1%, 2%, 3%
accordingly «i»: 0, K1, K2, K3



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Technological quality parameters FRAMITEX® the modified magnesium hydroxide

Parameter	FRAMITEX®				
	10-97-0	07-97-0	05-97-0	03-97-0	02-97-0
Fraction of total mass of screening residue №0045, (ISO 787/5), %	3	0,1	0,03	0,01	0,00
Top cut, % (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 _v , 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

Package:

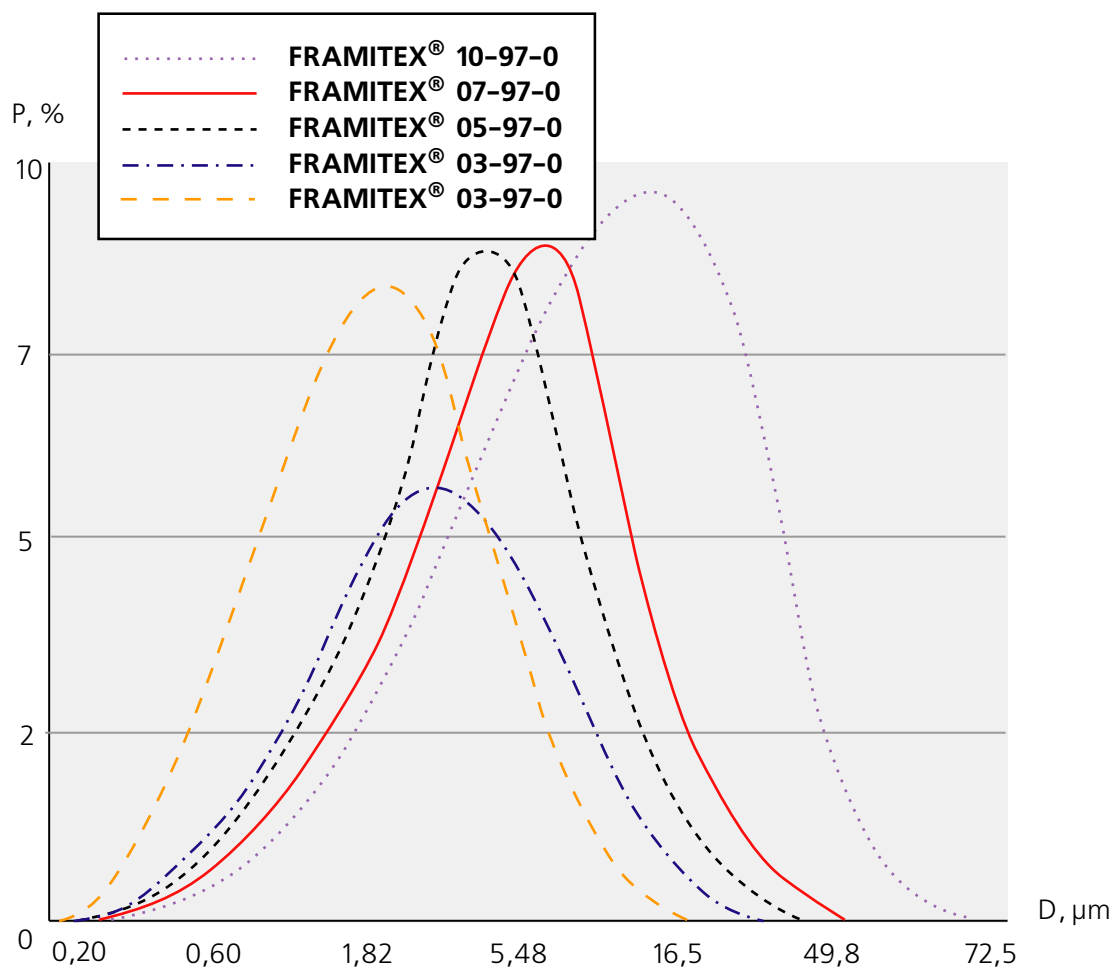
- Plastic bags 250, 1000 kg;
- Valvular paper bags 10, 50 kg on pallets (up to 1200 kg) using special protective materials for transportation.

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Typical weights distribution



The technical data listed corresponds to actual production regulations and are confirmed by regular tests made by the manufacturer. It is typical to the maximum, but can not be construed as an obligatory specification. It is subject of testing if intolerable transportation or after-sale storage conditions have been supposed. This technical information can be corrected without any prior notices because of new production technologies or state regulations.

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