



## 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)<sub>2</sub> 93÷98%  
Fe<sub>2</sub>O<sub>3</sub> < 0,5%  
Water-soluble substances < 0,1%

### Physical and other parameters

Density, g/cm<sup>3</sup> 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 <sub>50</sub> )	10	7	5	3	2,2
maximum (D <sub>98</sub> )	60	30	25	20	15
minimum (D <sub>10</sub> )	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 <sub>v</sub> , 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 <sub>457</sub> ), %	85	91	92	92	92
whiteness ISO 11475 (D <sub>65</sub> /10°), %	75	85	87	87	87
Density					
(ISO 787/11) , g/cm <sup>3</sup>	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.

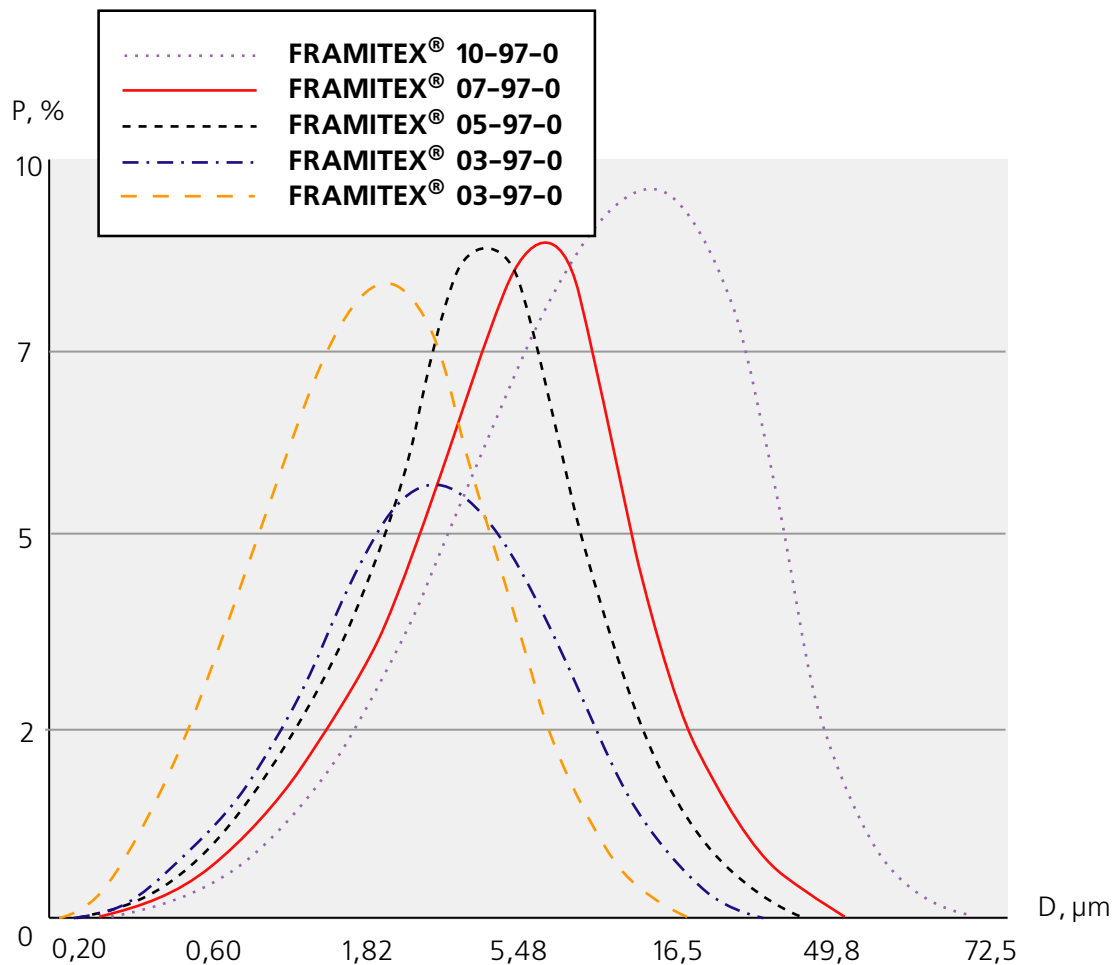
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**Typical weights distribution**



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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