



## PRODUCT SHEET

<b>Title</b>	<b>MITAL®</b> Fractionated microtalc of the SUPER serie
<b>Standard</b>	TU 5716-003-40705684-2001
<b>Grades</b>	MITAL® 15-96   10-96   07-96   05-96   03-96 15-90   10-90   07-90   05-90   03-90
<b>Manufacturer</b>	GEOKOM, ZAO, Russia, Kaluga oblast, p. Polotnyaniy Zavod, ul. Slobodka, 111A, tel/fax (+48434) 32412, 46006
<b>Product description</b>	fine dry white powder
<b>Mineral formula</b>	natural mix of high-plated talc, chlorite, mica without free quartz (<<0,2%) and asbestos-making materials
<b>Chemical formula</b>	
MgO	30÷35%
Fe <sub>2</sub> O <sub>3</sub>	0,1÷0,3%
SiO <sub>2</sub>	35÷50%
CaO	0,3÷0,5%
Al <sub>2</sub> O <sub>3</sub>	< 20%
<b>Physical and other parameters</b>	
Density, g/cm <sup>3</sup>	2,6÷2,7
Hardness (Mohs)	1÷2
Refractive Index	1,57÷1,6
pH Index	9÷10
Humidity, %	<0,1
Water-soluble materials	<0,2
Fraction of total mass of burnt insoluble in hydrochloric acid residue	80÷90%
Losses on ignition (1000 °C, 1 h)	< 12,5



№96т03



**PRODUCT SHEET**

**Technological quality parameters**  
**MITAL® microtalc of the SUPER serie, grades «96» and «90»**

Parameter	MITAL®				
	15-96/90	10-96/90	07-96/90	05-96/90	03-96/90
Chromatic preferences:					
whiteness CIELab (ISO 787/1, C/2°), %	95/90	96,5/91	96,5/91	96,5/91	96,5/91
lightness (L) CIELab, %	96/90	97/91	97/91	97/91	97/91
brightness DIN 53163 (R <sub>y</sub> , C/2°), %	90/85	90/85	92/87	92/87	92/87
yellowness ASTM D1925-70 (C/2°), %	3,5/2	3,5/2	3/2	3/2	3/2
brightness ISO 2470 (R <sub>457</sub> ), %	87/75	87/77	90/77	90/77	90/77
whiteness ISO 11475 (D <sub>65</sub> /10°), %	81/70	81/71	86/71	86/71	86/71
Fraction of total mass of screening residue (ISO 787/5), %					
№0045	5	0,2	0,05	0,01	0,00
Top cut, % (Microsizer-201A):					
less 20 µm	65	80	90	95	
less 15 µm	50	65	75	85	95
less 10 µm	30	50	60	75	90
less 5 µm	10	20	30	40	75
less 2 µm	5	8	10	10	25
Average particle size distribution, µm (Microsizer-201A):					
medium (D <sub>50</sub> )	15	10	7	5	3,5
maximum (D <sub>98</sub> )	70	33	30	25	18
minimum (D <sub>10</sub> )	5	2,5	2	1,5	1,2
Oil absorption (ISO 787/5), g/100 g	20	25	30	35	45
DOP-absorption (ISO 787/5), g/100 g	30	35	40	45	60
Density (ISO 787/11), g/cm <sup>3</sup>					
after packing	0,8÷1,0	0,7÷0,9	0,5÷0,6	0,3÷0,5	0,2÷0,3
	1,0÷1,2	0,9÷1,1	0,6÷0,8	0,4÷0,6	0,4÷0,5

**Package:**

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

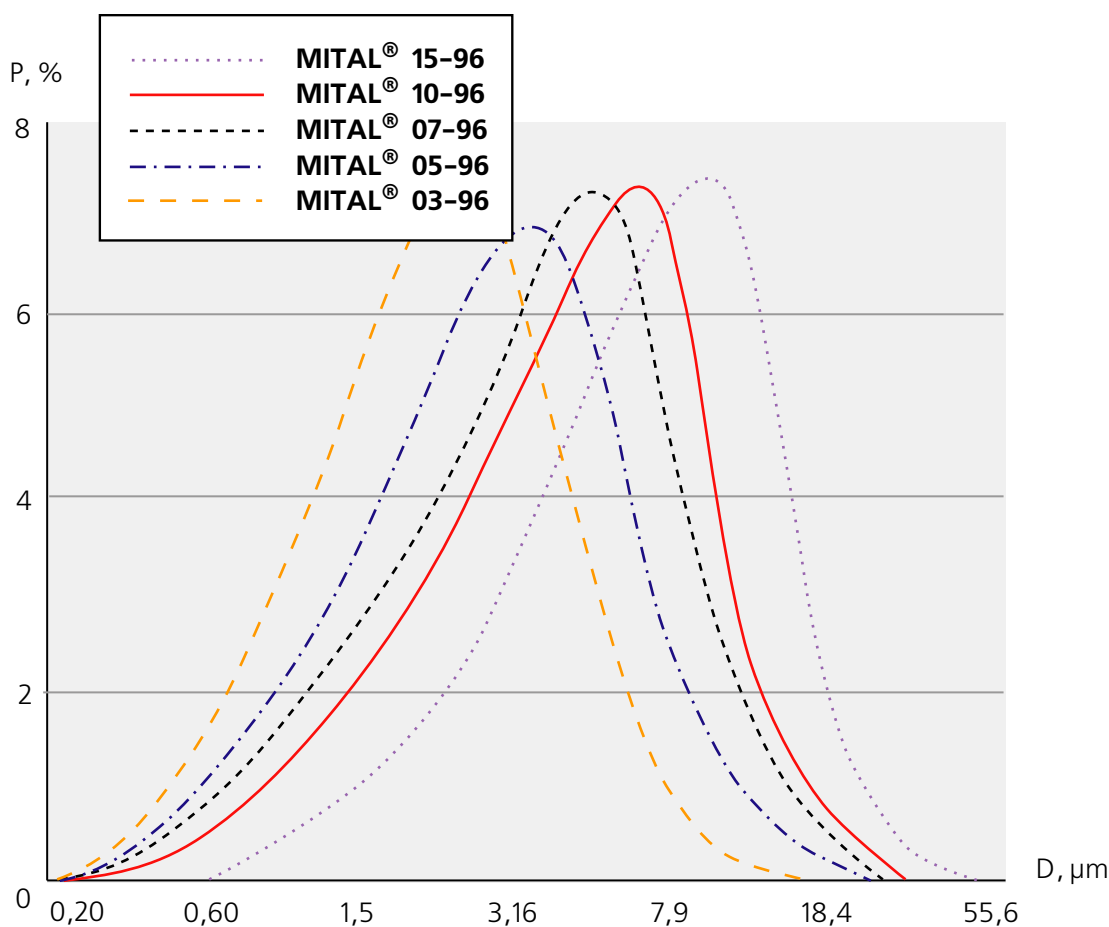
№96r03





**PRODUCT SHEET**

**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.

№96r03

