



STAKLARSKA INDUSTRIJA
GLASS INDUSTRY



LIVAČKA INDUSTRIJA
CASTING INDUSTRY



GRAĐEVINSKA INDUSTRIJA
CONSTRUCTION INDUSTRY



KERAMIČARSKA INDUSTRIJA
CERAMIC INDUSTRY



PRERADA VODE
WATER TREATMENT



SPORTSKI TERENI
SPORTS FIELDS







STAKLARSKA INDUSTRIJA / Glass industry

Kvarcni staklarski pesak Jugo – Kaolina, posebno iz ogranka Belorečki Peščar spada u najkvalitetnije staklarske peskove u Evropi. Zahvaljujući svojim prirodnim karakteristikama (visok sadržaj SiO₂ i nizak sadržaj Fe₂O₃ i ostalih štetnih primesa), kao i visokom tehnološkom nivou prerade, u ogranku Belorečki Peščar se proizvodi staklarski pesak koji je našao primenu u proizvodnji svih vrsta stakla, počev od ambalažnog, preko ravnog, pa do specijalnih vrsta stakla sa posebnim zahtevima. U ogranku Kopovi Ub se proizvode staklarski peskovi koji se koriste za potrebe dobijanja "obojenog" ambalažnog stakla kao i vodenog stakla.

Quartz glass sand of Jugo – Kaolin, especially from the Belorecki Pescar branch belongs to the highest quality glass sands in Europe. Due to its natural characteristics (high content of SiO₂ and low content of Fe₂O₃ and other harmful substances), as well as high technological level of processing, the Belorecki Pescar branch produces glass sand that has been used in the production of all kinds of glass, starting from the packaging, through flat glass, to special types of glass with special requirements. The branch of Kopovi Ub produces a glass sands used for the needs of obtaining of "colored" packaging glass as well as water glass.

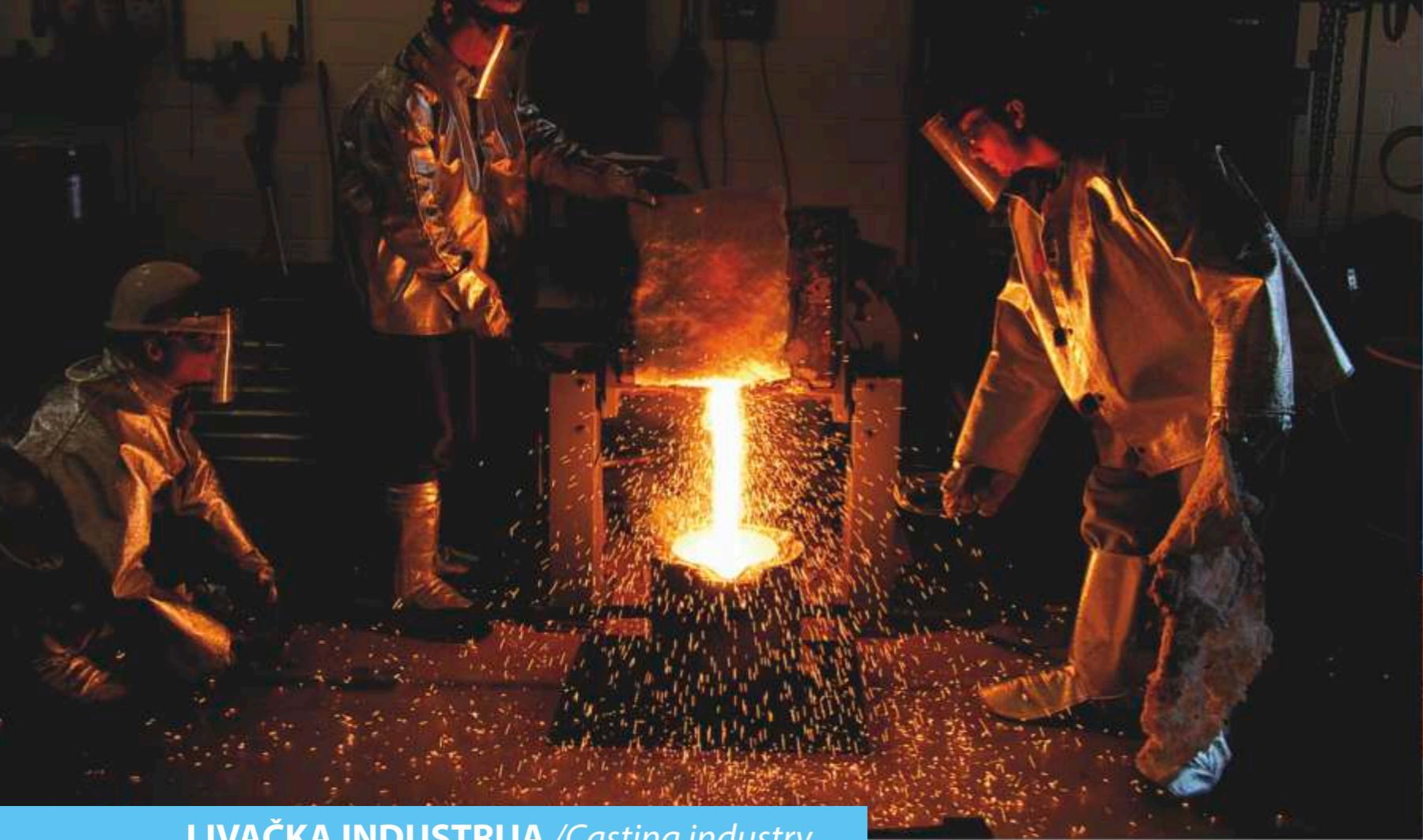


KVARCNI PESAK
VRHUNSKOG KVALITETA
ZA STAKLARSKU INDUSTRIJU
*Quartz sand of top quality
for the glass industry*

JUGO KAOLIN



LIVAČKI PESKOVI
NAJVIŠEG KVALITETA
Foundry sands
of the highest quality



LIVAČKA INDUSTRIJA /Casting industry

Kvarcni livački pesak Jugo – Kaolina, posebno iz ogranka Kopovi Ub je najkvalitetniji livački pesak zato što ima izuzetne prirodne karakteristike (zaobljeni oblik zrna i visok sadržaj SiO₂) i kao takav je našao primenu u većini livnica ex – YU. Zahvaljujući visokom tehnološkom nivou prerade i višedecenijskom iskustvu u ovoj vrsti proizvodnje, u ogranku Kopovi Ub se pored širokog assortimana standardnih tipova ovih peskova, može proizvesti i pesak po najspecifičnijim zahtevima livačke industrije u pogledu kako srednje veličine zrna (0,11 – 0,40mm), tako i određenih vrednosti stepena ravnomernosti i broja finoće zrna, kao i ostalih parametara kvaliteta. U ogranku Srbokvarc u Rgotini se proizvode i obloženi kvarcni peskovi koji se koriste za izradu maski i jezgara u livačkoj industriji.

Quartz foundry sand of Jugo – Kaolin, especially from the branch of Kopovi Ub is the highest quality foundry sand because it has exceptional natural characteristics (rounded grain shape and high content of SiO₂) and as such has been used in most foundries in ex-YU. Thanks to high technological level of processing and decades-long experience in this type of production, in the branch of Kopovi Ub, in addition to the wide range of standard types of these sands, it is possible to produce sand according to the most specific requirements of the casting industry in terms of the average grain size (0,11 – 0,40mm), as well as certain values of degree of uniformity and number of grain fineness, as well as other quality parameters. In the branch of Srbokvarc Rgotina coated quartz sands are also produced, which are used for making of masks and cores in the casting industry.



JUGO KAOLIN



GRAĐEVINSKA INDUSTRIJA / Construction industry

Kvarcni pesak iz svih ogranaka Jugo – Kaolina se koristi u većini grana građevinske industrije. Sitniji kvarcni pesak je obavezan sastojak najkvalitetnijih keramičkih lepkova, hidroizolacija i fugo masa, dok se krupnozrni kvarcni pesak koristi za dobijanje pojedinih proizvoda betonske galeranterije kao što su behaton ploče.

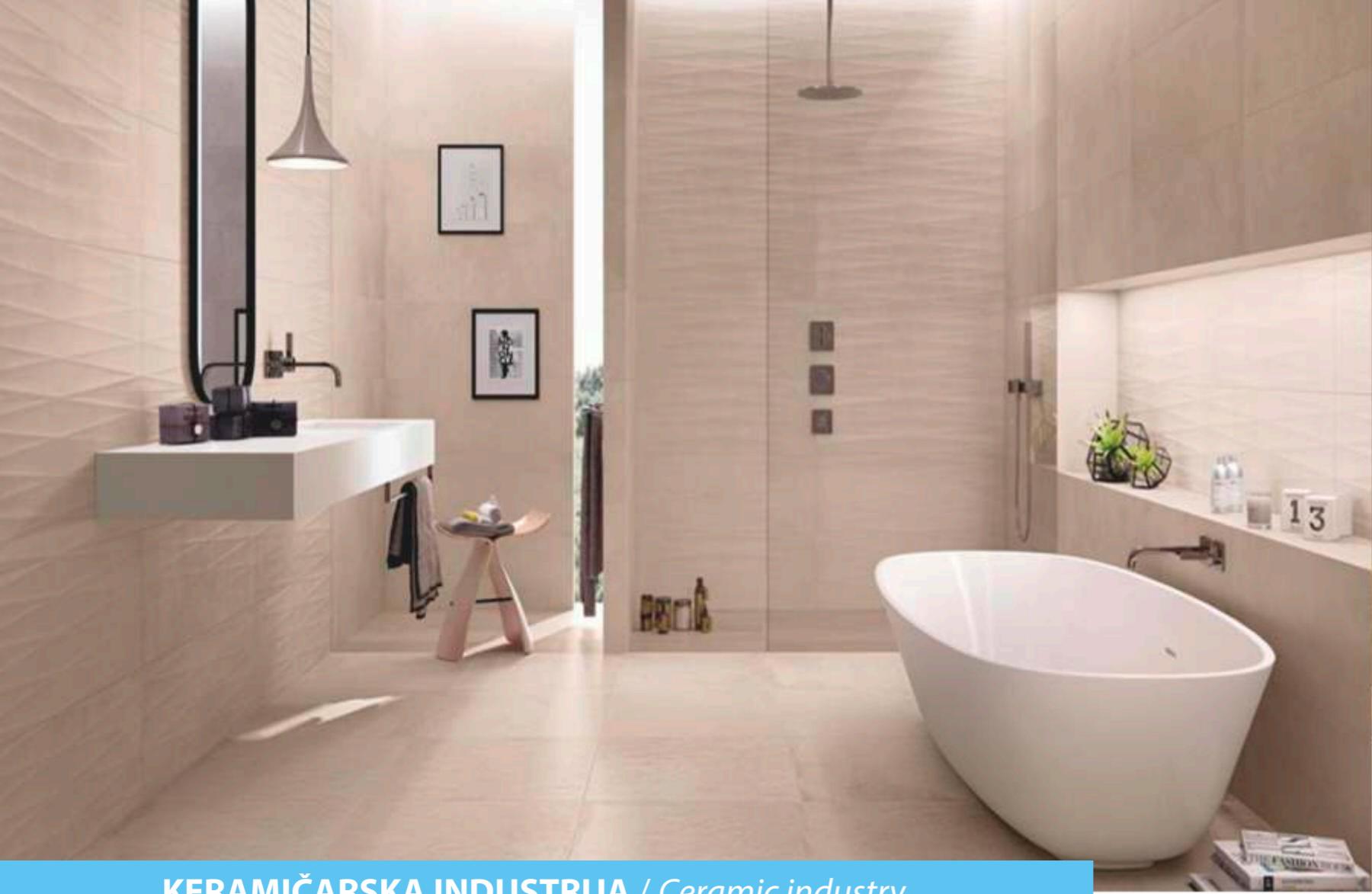
Quartz sand from all branches of Jugo – Kaolin is used in most branches of the construction industry. Smaller grain size quartz sand is a mandatory ingredient of the finest ceramic adhesives, waterproofing and fug mass, while large-grain quartz sand is used in the production of concrete products such as concrete panels.



JUGO KAOLIN



NAJVIŠI KVALITET SIROVINA
ZA KERAMIČKU INDUSTRIJU
*The highest quality raw material
for the ceramic industry*



KERAMIČARSKA INDUSTRIJA / Ceramic industry

Gline iz ogranka Kopovi Ub imaju dugogodišnju primenu u mnogim granama keramičarske industrije. Gline D – 2 i PKG 2s se koriste u proizvodnji keramičkih pločica i sanitарне keramike, dok se tip PKG 2v koristi u proizvodnji vatrostalne keramike.

Clays from the branch of Kopovi Ub has been used for many years in many branches of the ceramic industry. Clays D – 2 and PKG 2s are used in the production of ceramic tiles and sanitary ceramics, while the type PKG 2v is used in the production of refractory ceramics.



JUGO KAOLIN



PRERADA VODE / Water treatment

Krupnozrnim kvarčnim peskom iz pogona Jugo – Kaolina obnovljena su filterska postrojenja većine vodovoda kako u Srbiji, tako i u okruženju, a ti peskovи se koriste i za bunarske filterske ispune.

Large-grain quartz sand from plants of Jugo Kaolin have been used to rebuilt water filter plants of most waterworks in both Serbia and the surrounding countries, and these sands are also used in wells filter fillings.




KVARCNI PESAK
ZA FILTRIRANJE VODE
Quartz sand for water filtration

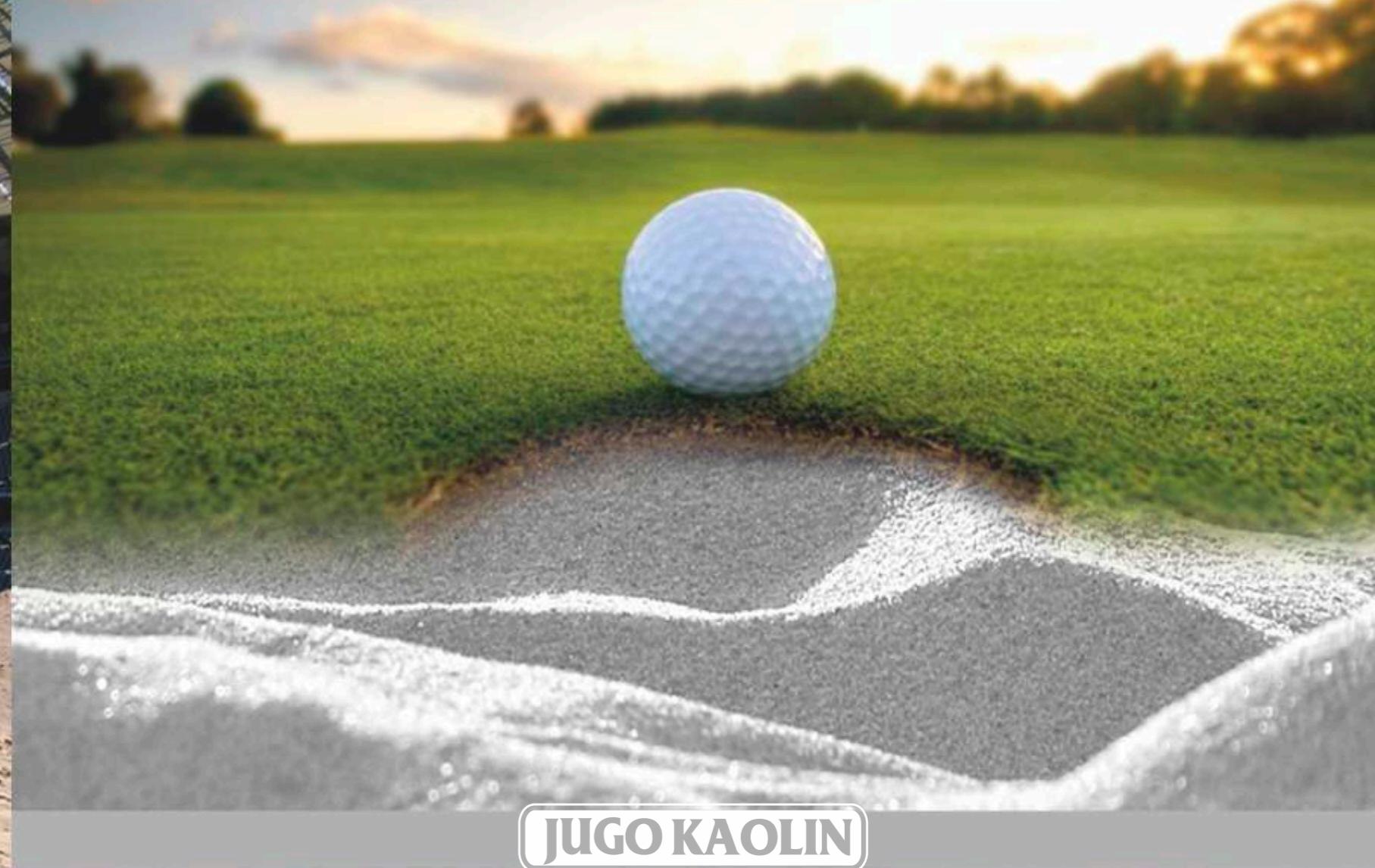
JUGO KAOLIN



SPORTSKI TERENI/ *Sports fields*

Kvarcni pesak Jugo – Kaolina je našao primenu i u izgradnji sportskih terena, gde se koristi za drenažne slojeve mnogih fudbalskih i golf terena, kao i za prekrivanje terena za fudbal i odbojku na pesku.

Quartz sand of Jugo – Kaolin has also been used in the construction of sports fields, where it is used for drainage layers of many football and golf courses, as well as for covering football and beach volleyball fields.



JUGO KAOLIN



**KVARCNI PESAK ZA DRENAŽU
SPORTSKIH TERENA**
*Quartz sand for drainage
of sports fields*



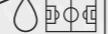
**PARAMETRI KVALITETA OSNOVNIH GOTOVIH
PROIZVODA OGRANKA KOPOVI UB**

**QUALITY PARAMETERS OF BASIC FINISHED
PRODUCTS THE BRANCH KOPOVI UB**

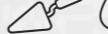
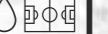
KVARCNI PESAK / QUARTZ SAND										
Tip peska / Sand	KPR 011	KLPA 017	KLPč 022	KLPč 026	KLPč 027	KLPs 032	KLPč 035	SP A	SP - 4	
Granulometrijski sastav / Grain size distribution										
Otvor sita / Mesh size, mm	Ostaci na sitima / Tolerance range, %									
0.71	-	max. 0.5	max. 0.5	max. 0.5	-	max. 0.5	max. 0.5	max. 0.1	max. 0.5	
0.5	-	max. 1	max. 2.0	max. 3	max. 0.5	max. 10	max. 10	max. 0.2	max. 3	
0.355	max. 0.1	max. 5	max. 10.0	10 - 20	max. 10	30 - 50	40 - 60	max. 2	10 - 20	
0.25	max. 0.2	max. 15	20 - 40	40 - 60	50 - 60	40 - 60	20 - 40	10 - 20	40 - 60	
0.18	max. 10	30 - 50	30 - 40	20 - 30	30 - 40	max. 10	max. 5	50 - 60	20 - 30	
0.125	50 - 70	40 - 60	10 - 30	max. 10	max. 10	max. 5	max. 2	20 - 30	max. 10	
0.09	20 - 40	max. 10	max. 8.0	max. 2	max. 0.5	max. 1	max. 1	max. 1.0	max. 2	
0.063	max. 5	max. 2	max. 1.0	max. 1	max. 0.1	max. 0.5	max. 0.5	max. 0.1	max. 1	
dno / bottom	max. 1	max. 1	max. 0.5	max. 0.5	-	max. 0.1	max. 0.1	-	max. 0.5	
Srednja veličina zrna / Medium grain size, mm	0.13 - 0.15	0.17 - 0.19	0.20 - 0.25	0.26 - 0.28	0.25 - 0.28	0.32 - 0.36	0.35 - 0.40	0.19 - 0.21	0.26 - 0.28	
Stepen ravnomernosti / Uniformity ratio, %	min. 80	min. 70	min. 60	min. 70	min. 90	min. 80	min. 80	min. 80	min. 70	
Broj finoće zrna / AFS number	90 - 100	65 - 75	55 - 65	50 - 55	50 - 55	40 - 45	35 - 40	60 - 70	50 - 55	
Hemski sastav / Chemical analysis										
SiO ₂ , %	min. 95.0	min. 96.0	min. 97.0	min. 98.0	min. 98.0	min. 99.0	min. 99.0	min. 98.0	min. 98.5	
Al ₂ O ₃ , %	max. 2.0	max. 1.5	max. 1.5	max. 1.0	max. 1.0	max. 0.5	max. 0.5	max. 1.0	max. 0.5	
Fe ₂ O ₃ , %	max. 0.2	max. 0.25	max. 0.15	max. 0.1	max. 0.1	max. 0.1	max. 0.1	max. 0.05	max. 0.08	
g.ž. / l.o i., %	max. 0.3	max. 0.3	max. 0.25	max. 0.2						
Primena / Use										

GLINA / BALL CLAY			
Tip gline / Ball clay	D - 2	PKG 2s	PKG 2v
Ostatak na situ / Residue 0.063mm, %	max. 12.0	max. 5.0	max. 2.0
Sadržaj organskih materija / Organic content, %	max. 2.0	max. 5.0	max. 10.0
Vлага / Moisture, %	15.0 – 20.0	15.0 – 20.0	18.0 – 23.0
Hemski sastav / Chemical analysis			
SiO ₂ , %	63.0 – 68.0	60.0 – 65.0	50.0 – 55.0
Al ₂ O ₃ , %	19.0 – 23.0	21.0 – 25.0	27.0 – 31.0
Fe ₂ O ₃ , %	1.5 – 2.0	2.0 – 3.0	2.0 – 3.0
g.ž. / l.o i., %	5.0 – 7.5	6.0 – 8.0	8.0 – 12.0
Primena / Use			

**PARAMETRI KVALITETA OSNOVNIH GOTOVIH PROIZVODA
OGRANKA KOPOVI UB RADNA JEDINICA RUDNIK NEMETALA VALJEVO**

Tip peska / Sand	HP 1	HPS	HPS 2	0.3 – 1.2	0.5 – 1.2
Granulometrijski sastav / Grain size distribution					
Otvor sita / Mesh size, mm	Ostaci na sitima / Tolerance range, %				
4.0			-		
3.0					
2.0					
1.6					
1.4					
1.25				max. 5	max. 5
1.0	max. 1	max. 1		10 – 20	10 – 30
0.71	5 – 10	5 – 10	max. 1	30 – 40	20 – 50
0.5	10 – 30	10 – 30	max. 5	30 – 40	max. 10
0.355	20 – 30	20 – 30	20 – 35	10 – 20	
0.25	15 – 25	15 – 25	20 – 35		
0.18	10 – 20	10 – 20	10 – 20		
0.125	10 – 20	5 – 15	10 – 20		
0.09	max. 10	max. 10	max. 10		
0.063	max. 3	max. 3	max. 3		
dno / bottom	max. 1	max. 1	max. 1		
Hemijski sastav / Chemical analysis					
SiO ₂ , %	min. 99.0	min. 98.0	min. 98.0	min. 98.5	min. 99.0
Fe ₂ O ₃ , %	max. 0.1	max. 0.2	max. 0.2	max. 0.1	max. 0.1
g.ž. / l.o i., %	max. 0.2	max. 0.3	max. 0.3	max. 0.2	max. 0.2
Primena / Use					

**QUALITY PARAMETERS OF BASIC FINISHED PRODUCTS THE BRANCH KOPOVI UB
WORKING UNIT RUDNIK NEMETALA VALJEVO**

Tip peska / Sand	0.5 – 1.5	0.8 – 2.0	1.0 – 2.0	1.0 – 3.0	2.0 – 3.0	2.0 – 4.0
Granulometrijski sastav / Grain size distribution						
Otvor sita / Mesh size, mm	Ostaci na sitima / Tolerance range, %					
4.0						max. 5
3.0					max. 10	max. 10
2.0				max. 10	35 – 75	60 – 80
1.6				30 – 50	35 – 65	15 – 40
1.4	max. 20			20 – 40	10 – 40	10 – 30
1.25						
1.0	max. 10			20 – 40	10 – 30	max. 15
0.71						
0.5						
0.355						
0.25						
0.18						
0.125						
0.09						
0.063						
dno / bottom						
Hemijski sastav / Chemical analysis						
SiO ₂ , %	min. 99.0					
Fe ₂ O ₃ , %	max. 0.1					
g.ž. / l.o i., %	max. 0.2					
Primena / Use						



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PRERADA VODE
WATER TREATMENT



SPORTSKI TERENI
SPORTS FIELDS

**PARAMETRI KVALITETA OSNOVNIH GOTOVIH PROIZVODA
OGRANKA BELOREČKI PEŠČAR**

Tip peska / Sand	BEX 1	BAB 002	BAB 0025	BAB 003	BAB 1	BZU
Granulometrijski sastav / Grain size distribution						
Količina ostatka / Residue > 0.71 mm, %	max. 0.5	max. 0.5	max. 0.5	max. 0.5	max. 0.5	max. 0.5
Količina ostatka / Residue < 0.125 mm, %	max. 5.0	max. 5.0	max. 5.0	max. 5.0	max. 5.0	max. 5.0
Srednja veličina zrna / Medium grain size, mm	0.26 – 0.36	0.26 – 0.36	0.26 – 0.36	0.26 – 0.36	0.26 – 0.36	0.26 – 0.36
Hemski sastav / Chemical analysis						
SiO ₂ , %	min. 99.2	min. 99.0	min. 99.0	min. 99.0	min. 98.5	min. 97.5
Al ₂ O ₃ , %	max. 0.2	max. 0.25	max. 0.3	max. 0.35	max. 0.5	max. 1.5
Fe ₂ O ₃ , %	max. 0.015	max. 0.02	0.025±10%	0.03±10%	max. 0.045	max. 0.1
g.ž. / l.o i., %	max. 0.2	max. 0.2	max. 0.2	max. 0.2	max. 0.2	max. 0.25
Primena / Use						

**QUALITY PARAMETERS OF BASIC FINISHED PRODUCTS
THE BRANCH BELORECKI PESCAR**

Tip peska / Sand	B2A2	B2A3	BTS		BTB	
Granulometrijski sastav / Grain size distribution						
Količina ostatka / Residue > 2.00 mm, %	max. 8.0	max. 8.0	Interval granulo-metrijskog sastava / Grain size range, mm	0 – 10	Interval granulo-metrijskog sastava / Grain size range, mm	0 – 35
Količina ostatka / Residue < 0.355 mm, %	max. 20.0	max. 20.0				
Srednja veličina zrna / Medium grain size, mm	0.65 – 0.95	0.65 – 0.95				
Hemski sastav / Chemical analysis						
SiO ₂ , %	min. 98.5	min. 99.0	SiO ₂ , %	min. 90.0	SiO ₂ , %	min. 94.0
Al ₂ O ₃ , %	max. 0.6	max. 0.4				
Fe ₂ O ₃ , %	max. 0.04	max. 0.02	g.ž. / l.o i., %	max. 1.0	g.ž. / l.o i., %	max. 1.0
g.ž. / l.o i., %	max. 0.3	max. 0.3				
Primena / Use			Primena / Use		Primena / Use	

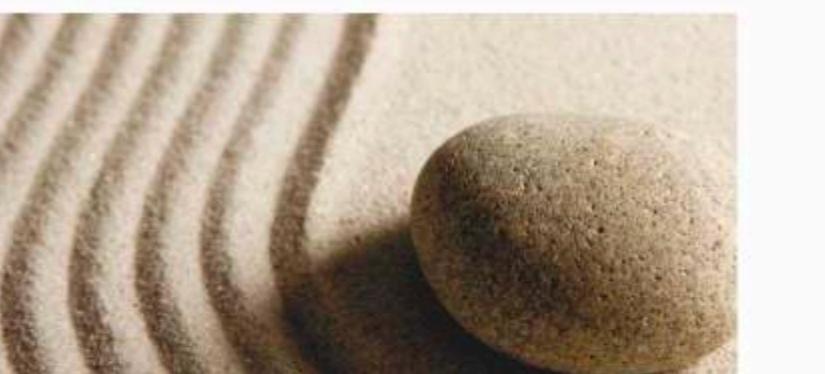
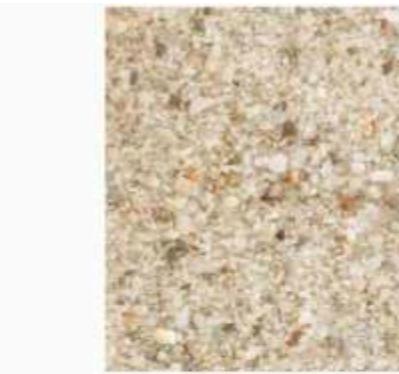
PARAMETRI KVALITETA OSNOVNIH GOTOVIH PROIZVODA OGRANKA SRBOKVARC



Obloženi kvarcni pesak / Coated quartz sand			
	PS 3A	PS 3AFe	PS L
Granulometrijski sastav i karakteristike obloženog peska / Grain size distribution and physical characteristics of coated sand			
Količina ostatka / Residue > 0.50 mm, %	max. 1	max. 0.7	max. 0.5
Količina ostatka / Residue < 0.125 mm, %	max. 15	max. 10	max. 2.5
Srednja veličina zrna / Medium grain size, mm	0.16 – 0.23	0.19 – 0.23	0.22 – 0.27
Stepen ravnomernosti / Uniformity ratio, %	min. 65	min. 65	min. 70
Broj finoće zrna / AFS number	min. 60	min. 60	50 - 60
Zatezna čvrstoća na toplo / Strength in hot, 280°C/90sec, MPa	min.1.3	min.1.2	min.0.6
Peel-back, 200°C /300sec, %	max. 20	max. 20	max. 20
Gubitak žarenjem / Loss on ignition, 900°C (2h), %	max. 4.5	max. 4.2	1.8 – 2.5
Hemijski sastav osnovnog peska / Chemical analysis of basic sand			
SiO ₂ , %	min.98.5	min.98.5	min.98.5
Al ₂ O ₃ , %	max.0.8	max.0.8	max.0.8
Fe ₂ O ₃ , %	max.0.05	max.0.05	max.0.05
g.ž. / l.o i., %	max.0.2	max.0.2	max.0.2
Primena / Use			

QUALITY PARAMETERS OF BASIC FINISHED PRODUCTS THE BRANCH SRBOKVARC

	RG 00 A	RG 00 B	KVARCNO BRAŠNO / QUARTZ FLOUR KB - 150		RK 2	0.3 – 3.0	0.8 – 2.5
Granulometrijski sastav / Grain size distribution							
Količina ostatka / Residue > 0.71 mm, %	max. 0.5	max. 1	Količina ostatka / Residue > 0.25 mm, %	max. 10	Interval granulometrijskog sastava / Grain size range, mm	0.3 – 1.2	0.3 – 3.0
Količina ostatka / Residue < 0.125 mm, %	max. 15	max. 10	Količina ostatka / Residue < 0.063 mm, %	max. 50			0.8 – 2.5
Srednja veličina zrna / Medium grain size, mm	0.17 – 0.25	0.25 – 0.40	Srednja veličina zrna / Medium grain size, mm	0.06 – 0.15			
Hemijski sastav / Chemical analysis							
SiO ₂ , %	min. 98.5	min. 98.5	SiO ₂ , %	min. 95.0	SiO ₂ , %	min. 98.0	min. 97.0
Al ₂ O ₃ , %	max. 0.5	max. 0.5	Al ₂ O ₃ , %	max. 3.0	Al ₂ O ₃ , %	max. 0.8	max. 1.5
Fe ₂ O ₃ , %	max. 0.045	max. 0.045	Fe ₂ O ₃ , %	max. 0.5	Fe ₂ O ₃ , %	max. 0.05	max. 0.2
g.ž. / l.o i., %	max. 0.2	max. 0.2	g.ž. / l.o i., %	max. 1.0	g.ž. / l.o i., %	max. 0.3	max. 0.3
Primena / Use			Primena / Use		Primena / Use		



Sistem menadžmenta kvalitetom Jugo – Kaolina je sertifikovan po standardu ISO 9001:2015 i to predstavlja dodatnu garanciju kvaliteta naših proizvoda što vodi povećanju zadovoljstva i poverenja naših kupaca.



Q qualityaustria
SYSTEM CERTIFIED
ISO 9001:2015
No.12589/0

The Quality Management system of Jugo – Kaolin is certified according to the ISO 9001:2015 standard and this is an additional guarantee of the quality of our products, which leads to an increase in the satisfaction and confidence of our customers.



Excellent

Small & Medium Enterprises
Privredna komora Srbije
Chamber of Commerce and Industry of Serbia



EKOLOGIJA / *Ecology*

Mi brinemo i obezbeđujemo zdravu radnu i životnu sredinu.

We care and provide a healthy work environment..

JUGO KAOLIN
www.jugokaolin.rs

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