## Global steel producer in Albania...



## KURUM INTERNATIONAL SH.A

KURUM INTERNATIONAL SH.A Kurum International sh.a. was established with the purpose of expanding in Albania the operations of the Kurum Group created in Turkey in 1975. The beginning of the activity took place in the city of Elbasan in 1998, where the Steel Plant \& Rolling Mills are located. Kurum became the sole owner of the metallurgical plants after completing the privatization process in 2009.

Almost 60\% of the production from the plants is exported, mainly to Italy, Kosovo, Montenegro, Bulgaria, Serbia, Macedonia while the rest covers the demand of the domestic market, with the raw materials being handled at the steel plant and then being milled at the rolling mills where they are turned into reinforcing steel bars.


MISSION \&




## OUR PRODUCTS

With $60 \%$ of the production being exported and $40 \%$ covering the domestic market, Kurum International sh.a. is a leader in the production of reinforcing steel bar, not only in the Balkan market but also in the region. We produce around 700.000 tons of liquid steel per annum, which is turned into reinforcing steel bar with a diameter from $\varnothing 8 \mathrm{~mm}-\varnothing$ 32 mm and a standard length of 12 m up to 14 m upon request, according to the European standards EN 10080 of the quality B500C for reinforcing steel bars and B500B for reinforcing steel coil, according to the German standard DIN 488-2 of the quality B500B, the Italian standard DM 14.01.2008 of the quality B450C, Croatian standard HRN EN 10080 of the quality B500B, Serbian standard SRPS EN 10080 of the quality B500B for reinforcing steel bars and coils and American standard ASTM A615 of quality GR60. The bundles weight is approximately 2 tons. We also offer reinforcing steel coil B500B from $\varnothing 8$ mm to $\varnothing 16 \mathrm{~mm}$. Weight of coils is approximately 2 tons.




## 1.REINFORCING BARS

| Reinforcing Steel Bars Technical Data |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Standard | Quality | $\mathrm{Rm} / \mathrm{Re}$ <br> Min. | $\mathrm{Re} / \mathrm{Re}$ <br> nom <br> Min. | $\begin{aligned} & \text { \%Agt } \\ & \text { Min. } \end{aligned}$ | Chemical Analysis (\% Max.) |  |  |  |  |  |  |  | Re <br> Min. | Rm <br> Min | \%A <br> Min. |
|  |  |  |  |  | C | Si | Cu | Mn | P | S | N | Ceq |  |  |  |
| EN 10080 | B500C | $\geq 1,12$ |  | \%7,5 | 0,24 |  |  |  | 0,055 | 0,055 | 0,014 | 0,52 | 500 | 550 | \%7 |
| DIN 488 | B500B | $\begin{aligned} & \geq 1,08 \\ & \leq 1,30 \end{aligned}$ |  | \%5 | 0,24 |  | 0,65 | $\begin{aligned} & 0,60 \\ & 0,95 \end{aligned}$ | 0,055 | 0,055 | 0,014 | $\begin{aligned} & d \leq 280,52 \\ & d>280,49 \end{aligned}$ | 500 | 540 | \%10 |
| DM 14.01.2008 | B450C | $\begin{aligned} & \geq 1,15 \\ & \leq 1,35 \end{aligned}$ | $\leq 1,25$ | \%7,5 | 0,24 |  | 0,65 |  | 0,055 | 0,055 | 0,014 | 0,52 | 450 | 540 | \%5 |
| ASTM A615 | GR 60 |  |  |  | $\begin{aligned} & 0,33 \\ & 0,38 \end{aligned}$ | $\begin{aligned} & 0,10 \\ & 0,35 \end{aligned}$ | 0,85 | $\begin{aligned} & 1,20 \\ & 1,45 \end{aligned}$ | 0,050 | 0,050 |  |  | 420 | 620 | $\begin{aligned} & d \leq 10 \% 8 \\ & d>10 \% 12 \end{aligned}$ |
| HRN EN 10080 HRN 1130-2 | B500B | 1,08 |  | \%5,0 | 0,24 |  |  |  | 0,055 | 0,055 | 0,014 | 0,52 | 500 | $\begin{aligned} & \text { Min } \\ & 540 \end{aligned}$ |  |
| SRPS EN 10080 | B500B | 1,08 |  | \%5,0 | 0,24 |  | 0,85 |  | 0,055 | 0,055 |  | 0,52 | 500 |  |  |
| Specific weights per meter of Ribbed Reinforcing bars |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DIAMETER |  | $\varnothing 8$ | $\varnothing 10$ | $\varnothing$ | 12 | $\varnothing 14$ | $\varnothing 16$ | $\varnothing 18$ | $\varnothing 20$ | $\varnothing 22$ | $\varnothing 25$ | $\varnothing 28$ | $\varnothing 3$ |  | $\varnothing 32$ |
| WEIGHT (kg/m) |  | 0,395 | 0,617 | 0,8 | 888 | 1,21 | 1,58 | 2,00 | 2,47 | 3,00 | 3,85 | 4.83 | 5,5 |  | 6,31 |

To satisfy the demand for reinforcing steel bars of both the domestic and international market a quantity of 500.000 tons of steel billets per annum is being handled in the rolling mills plant.

| Product Range |  |
| :--- | :---: |
| Diameter | $8-32 \mathrm{~mm}$ |
| Length | $12-14 \mathrm{~m}$ |

## 2.REINFORCING STEEL COIL (Jumbo Spooled)



Kurum produces around 100.000 tons per annum of Reinforcing steel coil (Jumbo Spooled).

| Reinforcing steel coil data |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Standard | Quality | $\mathrm{Rm} / \mathrm{Re}$ Min. | $\mathrm{Re} / \mathrm{Re}$ nom Min. | \%Agt Min. | Chemical Analysis (\% Max.) |  |  |  |  |  |  |  | Re Min. | Rm Min. | \%A Min. |
|  |  |  |  |  | C | Si | Cu | Mn | P | S | N | Ceq |  |  |  |
| EN 10080 | B500B | $\begin{aligned} & \geq 1.08 \\ & \leq 1.30 \end{aligned}$ |  | \%5 | 0.24 |  | 0.65 | $\begin{aligned} & 0.60 \\ & 0.95 \end{aligned}$ | 0.055 | 0.055 | 0.014 | ${ }_{\text {d }}^{\substack{d \leq 28 \\ d>28,52 \\ 0,49}}$ | 500 | 540 | \%10 |
| ASTM A615 | GR 60 |  |  |  | $\begin{aligned} & 0.33 \\ & 0.38 \end{aligned}$ | $\begin{aligned} & 0.10 \\ & 0.35 \end{aligned}$ |  | $\begin{aligned} & 1.20 \\ & 1.45 \end{aligned}$ | 0.050 | 0.050 |  |  | 420 | 620 | ${ }_{\text {d }}^{\substack{\text { d } 10 \% 8 \\ d>10 \% 12}}$ |
| SRPS EN 10080 | B500B | 1,08 |  | \%5,0 | 0,24 |  | 0,85 |  | 0,055 | 0,055 |  | 0,52 | 500 |  |  |



## 3.WIRE ROD COIL

| Wire rods data |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Standard | Quality | \%Agt <br> Min. | Chemical Analysis (\% Max.) |  |  |  |  |  |  |  |
|  |  |  | C | Si | Cu | Mn | P | S | N | Ceq |
| ASTM A510 | SAE 1006 | \%20 | 0.08 | $\begin{aligned} & 0.10 \\ & 0.15 \end{aligned}$ | 0.35 | $\begin{aligned} & 0.25 \\ & 0.40 \end{aligned}$ | 0.40 | 0.50 |  |  |
|  | SAE 1008 | \%20 | 0.09 | $\begin{aligned} & 0.10 \\ & 0.15 \end{aligned}$ | 0.35 | $\begin{aligned} & 0.30 \\ & 0.50 \end{aligned}$ | 0.40 | 0.50 |  |  |
|  | SAE 1010 | \%20 | 0.11 | $\begin{aligned} & 0.10 \\ & 0.15 \end{aligned}$ | 0.35 | $\begin{aligned} & 0.30 \\ & 0.60 \end{aligned}$ | 0.40 | 0.50 |  |  |
| Specific weights per meter of wire rods |  |  |  |  |  |  |  |  |  |  |
| DIAMETER | $\varnothing 5.5$ | $\varnothing 6$ | $\varnothing 6.5$ | $\varnothing 7$ | $\varnothing 8$ | $\varnothing 9$ | $\varnothing 10$ | Ø12 |  |  |
| WEIGHT(kg/m) | 0.187 | 0.222 | 0.26 | 0.302 | 0.395 | 0.499 | 0.617 | 0.888 |  |  |

Kurum produces around 100.000 tons per annum of Wire Rod Coil.

| Product Range |  |
| :---: | :---: |
| Diameter | $5,5-12 \mathrm{~mm}$ |
| Weight | 2 Ton |



## LIME



In 2011, Kurum International sh.a. began investing in the lime factory. Kurum produces 150.000 tons per annum of baked and hydrated lime, satisfying the demand for both the domestic and the balkan market.

In 2011, the lime factory implemented the dedusting system and its support structures and as such the factory is complying with european union standards.

| HYDRATED LIME TECHNICAL DATA |  |
| :---: | :---: |
| CHEMICAL ELEMENTS | DATA |
|  | $(\%)$ |
| $\mathbf{C a}(\mathbf{O H})_{2}$ |  |
| $\mathbf{C a O}$ | 71.18 |
| $\mathbf{M g O}^{\mathrm{Fe}_{2} \mathrm{O}_{3}}$ | 1.04 |
| $\mathrm{Al}_{2} \mathrm{O}_{3}$ | 0.57 |
| $\mathrm{SiO}_{2}$ | 0.24 |
| $\mathbf{W}$ |  |
|  | Granulation |
| $90 \mu \mathrm{~m}$ | 0.5 |
| $60 \mu \mathrm{~m}$ |  |
| $20 \mu \mathrm{~m}$ | 9 |

## Bulk Silo Selling Selling on Sacks Selling on Big Bags

| Technical data for grain lime |  |
| :---: | :---: |
| CHEMICAL ELEMENTS | GRAIN LIME UP TO $\mathbf{1 0 0} \mathbf{~ m m}$ |
|  | $(\%)$ |
| $\mathbf{C a O}$ | $\geq 90$ |
| $\mathbf{M g O}$ | 1.3 |
| $\mathrm{Fe} 2 \mathrm{O}_{3}$ | 0.57 |
| $\mathrm{Al} 2 \mathrm{O}_{3}$ | 0.3 |
| $\mathrm{SiO}_{2}$ | 0.53 |
| $\mathbf{S}$ | 0.33 |
| $\mathbf{I L}$ | 6.8 |

Bulk selling of granules.
Bulk silo selling with granulometry of $90 \mu \mathrm{~m}$.

## BURNT LIME

1. Granulated Lime: Measures $0-100 \mathrm{~mm}$ (Packaging-Bulk).
2. Granulated lime grounded with a granulometry of 90 micron (Packaging- Bulk on silo).

## HYDRATED LIME

1. Packaging in sacks of 25 Kg .
2. Packaging in sacks of 1000 Kg .
3. Bulk on silo.


## FIELDS OF USE OF LIME

In the constuction sector.
In road constructions.
In applications in environment.
In the leather processing sector.
In steel production sector.
In agriculture.
In mines.

## Oxygen and Nitrogen

The Oxygen/Nitrogen factory produces both elements in both liquid and gas states.

The oxygen is produced in a cryogenic chamber that is installed in the Oxygen factory that is located inside the metallurgical facilities in Elbasan, where 2 chambers have been installed with a capacity of $3200 \mathrm{~m} 3 \mathrm{n} / \mathrm{h}$ of Oxygen in a gas state each.

Oxygen in a gas state is mainly used in the melting process of steel production.

The Oxygen produced is on of $99.95 \%$ purity.
Nitrogen is the supporting gas during the production of Oxygen. Nitrogen is being leveraged in both its gas and liquid state.

## OUR CERTIFICATES




## Gentifecto of OFtpproval

Product Conformity Certification
This is to certify that
Kürüm International Sh. A.
Elbasan - ALBANIA
has satisfed the Authority that it cperates a Factory Production Control System that complies with the
requirements of
EN 10080: 2005
Where appropriate, and as listed below, it has further satisfied the Authority that it manuactures and/or supplies products that conform to the stated product standards and is entited to use the conformity marl
its products.

B500C reinforcing steel bars in the diameter range of 8 to 32 mm B500B reinforcing steel coils in the diameter range of $\mathbf{7}$ to $16 \mathbf{~ m m}$ Submitted by the manufacturer to a factory production control and to the further testing of samples taken i
the factory in accordance with a prescribed test plan and that the notified laborator has performed the initi
type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the facto type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the facto
production control and performs the continuous survelliance, assessment and approval of the factory productio production
control.

This certificate attests that all provisions concerning the attestation of conformioy and the



## SERTIFIKAT O USAGLAŠENOSTI

И 030 (rooni i roci sexififkete)
Na osnovu Uredbe o tehničkim i drugim zahtevima za čelik za armiranje betona ("SI. glasnik RS", br. $35 / 2015$ i 44/2016), ustanovijeno je da za proizvod

ČELIK ZA ARMIRANJE BETONA
Šipke prečnika od 8 mm do 32 mm , oznake kvaliteta B500B
proizveden od strane
KÜRÜM International Sh.A.

Ish - Kombinati Metalurgjik, Elbasan, Albanija
proizvodač sprovodi fabričku kontrolu proizvodnje i ispitivanje proizvoda u skladu sa propisanim planom, kao i da je imenovano telo Institut IMS sprovelo početno ispitivanje tipa proizvoda, pǒ̌etni pregled proizvodnog pogona i fabričke kontrole proizvodnije ida sprovodi
stallni nadzor, ocenu i vrednovanie fabrićke kontrole proizvodnie zoraka - ocenu i vrednovanje fabricke kontrole proizvodnie kao i ispitivanje kontrolnih
-
Ovaj Sertifikat poturduje da su zadovoljeni svi kriterijumi za ocenjivanje usaglašenosti
Uredbi o tehničkim i drugim zahtevima za čelik za armiranje betona ("SI. glasnik RS", br. 35/2015 i 44/2016) i standardu SRPS EN 10080:2008 i da proizvod ispunjava sve propisane zahteve.
Sertifikat važi od 28.12.2019, godine do 28.12.2020. godine uz obavezu sprovodenja talnog nadzora fabričke kontro

Veza sa:
za sa: Iveštajem o ispitivanju: 421116-210/1, 421116-210/2, 421116-210/3,

- Izvestajem o vrednovanju rezultata ispitivanja kontrolnih uzoraka $\operatorname{\text {VR-K}}$-035/19

Beograd, 27.12.2019. godine



CERTIFIKAT O STALNOSTI SVOJSTAVA
1/05-ZGP-2263
Izmjena i dopuna br. 1
 39/19), Pravilnikom o tije lima, dokumentaciji i postupcima trzista gradevnih proizvoda ("Narodne novine"
broj 118/19) i Tehniékim propisom o gradevnim proizvodima (nNarodne novine" br. 35/18, 104/19) vrijedi za graceevne proizvode:

ČELIK ZA ARMIRANJE BETONA B500B Nazivnih promjera od 8 mm do $32 \mathrm{~mm} u$ šipkama
oznake proizvođača: 9/2
koje je proizveo:
KÜRÜM INTERNATIONAL SH.A.
Zona Industriale, Bradashesh - $\mathbf{3 0 0 0}$ Elbasan, Albania
koje je na tř̌iste stavio
Fratea d.o.o
Josipa Lončara 15, HR-10090 Zagreb
Ovim se certifkatom potura̛uje da su primjenjene sua osti svojistava i suistra opisana unoma

HRN 1130-2:2008 i HRN EN 10080:2012
u skladu sa sustavom $1+$ za svoistra navedena u ovom cer
tvornicke proizvodnje koju provodi proizvođać da bi se osigurala
stalnost svojstava građevnog proizvoda.
Predmetni cerififikat je prvi put izdan 18. ožujka 2015. (1105-ZGP-2263) i ima valijanost do 5 . lipnja 2025. II sve dok se značajno ne promijeni bilo tehnicicka specifikaciija, gradevni proizvod, metoda ocijenivania proviere stalnosti svojstava ili uvjeti proizvodnje u proizvodnom pogonu, osim ukoliko ga ne suspendira ili
povuce odobreno tijelo Institut IGH d.d. OD 14/174-066


Stranica 1 od 1
OBPOCC46-2/01CP_ HRN_Zdarij22Rev3

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