



***Vardar*** **Dolomit**

- **An independent European manufacturer** of **sinter dolomite**, **dolomite bricks** and **monolithics** located in Gostivar, North Macedonia (70 km from Skopje)
- **Integrated production system** with direct access & control of its raw material through the **high-grade dolomite mines owned by the company**
- **Manufacturing capacity of 60.000 tons a year**
- Usage of the **purest dolomite raw material in Europe**, **Impurity  $\leq$  % 1,5**
- **ISO 9001 Quality Management System certificate**
- **ISO 14001 Environmental Management System certificate**
- **ISO 50001 Energy Management System certificate**



- Vardar Dolomit works towards delivering the best value for all of its stakeholders. **Being responsive and responsible to all stakeholders, namely: our customer, employees, suppliers, stockholders, community and environment is the foundation principle of our company.**

- Vardar Dolomit is **committed to the safety and wellbeing of its workforce.** We take all necessary measures to eliminate risks in our work field and have each of our employees' health monitored annually.

- Vardar Dolomit's relationship with its suppliers is central to its manufacturing of the highest quality products. **We choose our partners based on their reliability, quality, fairness and sustainability.** We aspire to maintain mutual and long lasting rapport within our partnerships.

- Vardar Dolomit aims to exceed the expectations of its customers through the **prompt supply of high quality, innovative products and solutions** to enhance their own productivity and efficiency.

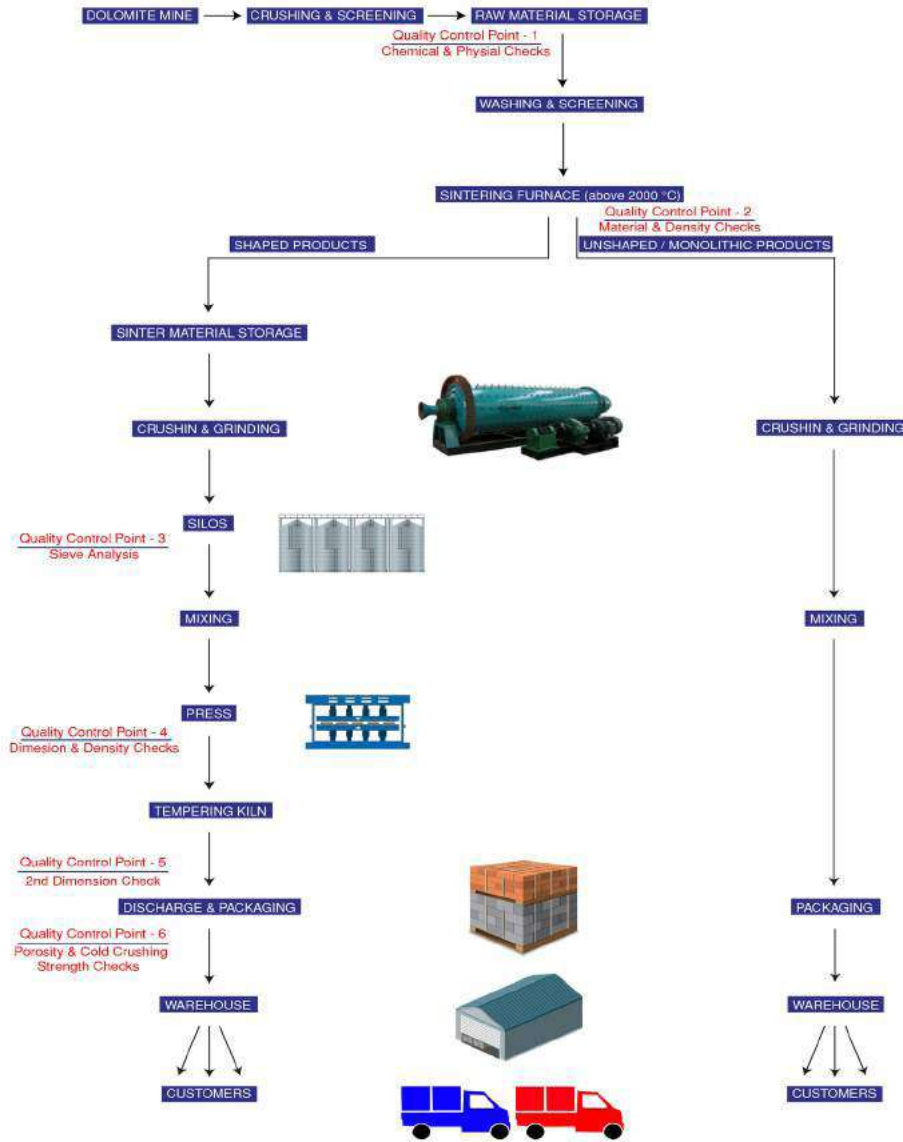
- Vardar Dolomit takes all the initiatives to **make its business more sustainable with minimum impact on the environment**



- **Consultation**
- **Project Engineering**
- **Installation**
- **Supervision**
- **Dry Out**
- **Maintenance**



# PRODUCTION FLOW DIAGRAM



# CUSTOMER FOCUS: STEEL INDUSTRY

Iron & steel industry consumes close to %75 of the refractories manufactured around the globe. The consumption speed of refractories in the iron & steel industry is very high. In regards to global consumption figures of refractories, total refractory material consumption of the sector is calculated to be around 10kg per ton of liquid steel manufactured.

Dolomite is a cost effective alternative to magnesia carbon refractories and yield to higher number of heats, especially for the sikkilled steel production. The lower carbon content of doloma products enable cleaner steel production. Their lower thermal conductivity also make dolomite a better option in preventing the heat loss of ladles. Shipped in sets, dolomite bricks require lower storage costs for leftover bricks.





# VARDAR DOLOMIT'S QUARRIES

## VARDAR'S QUARRY ADJACENT TO THE PLANT





# VARDAR DOLOMIT'S QUARRIES

## VARDAR'S SECOND QUARRY



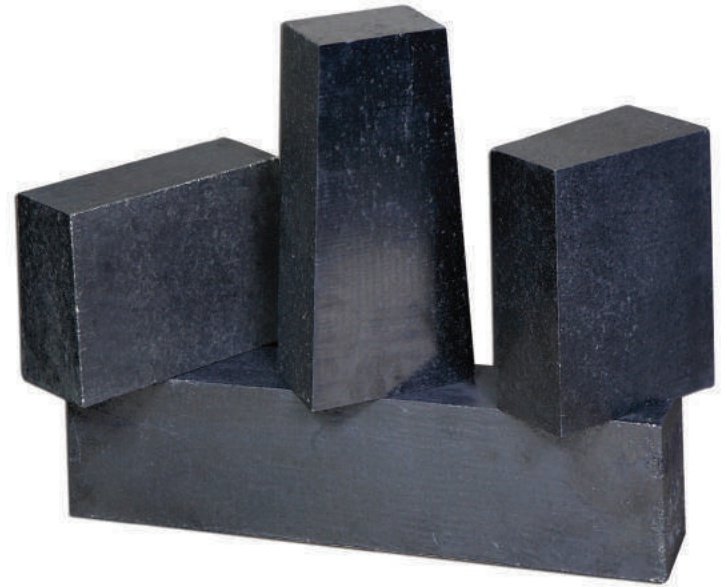


# DOLOMITE'S PREFERABLENESS FOR THE STEEL INDUSTRY

Dolomite usage in steelmaking industry has been rapidly increasing in the past decades as a result of its favorability in the making of clean steel with clean environment. Dolomites'

- **high degree of refractoriness,**
- **inertness to steel,**
- **great service performance,**
- **low cost**

make it a more conscious and reasonable preference for the steelmakers of the 21<sup>st</sup> century.

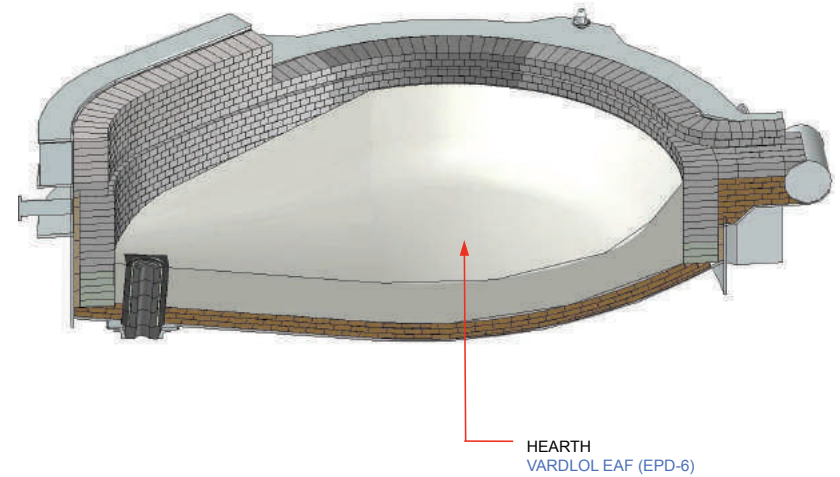
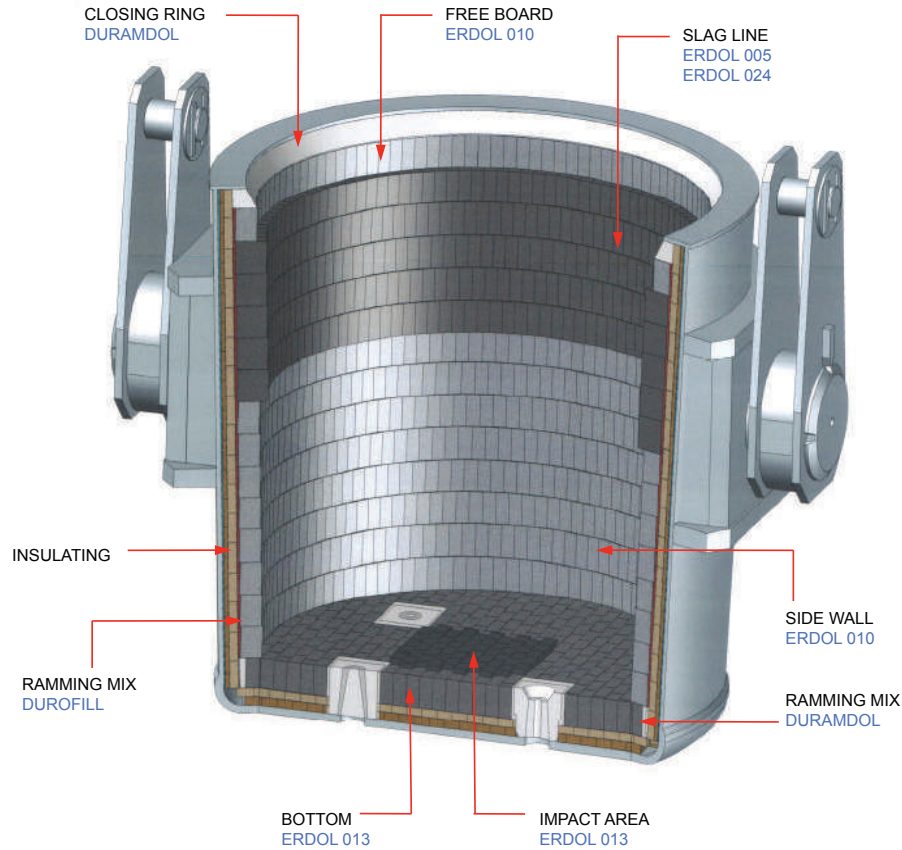


# ADVANTAGES OF DOLOMA USAGE OVER MAGNESIA CARBON BRICKS

- Dolomite is a **cost-effective alternative** to Magnesia Carbon
- Dolomite yields to **a higher number of heats** especially for Si-killed steel production
- The lower Carbon content of doloma products enable **cleaner steel production**
- Shipped in sets, dolomite bricks **require lower storage costs** for leftover bricks
- As the density of dolomite bricks are lower than that of Magnesia Carbon products, when compared to the same volume of MgC bricks, dolomite bricks contain **less amount of material**. In one ladle this difference may result in a variance of 2500 to 3000 kg depending on ladle size
- Dolomite bricks are a **better option to prevent heat loss** in ladles through its lower thermal conductivity rate compared to MgC bricks



# OUR PRODUCTS FOR THE STEEL LADLE





# TECHNICAL DATA OF OUR PRODUCT

## RESIN BONDED DOLOMITE-CARBON BRICKS

| Product Name | Chemical Analysis |     |                  |                                |                                |   | Physical Properties |              |                    |
|--------------|-------------------|-----|------------------|--------------------------------|--------------------------------|---|---------------------|--------------|--------------------|
|              | MgO               | CaO | SiO <sub>2</sub> | Al <sub>2</sub> O <sub>3</sub> | Fe <sub>2</sub> O <sub>3</sub> | C | Bulk Density        | APR Porosity | C.C.Strength       |
|              |                   |     |                  |                                |                                |   | g/cm <sup>3</sup>   | vol. %       | kg/cm <sup>2</sup> |
| ERDOL 005 R  | 37                | 61  | 0,5              | 0,5                            | 0,5                            | 8 | 2,75                | 10,5         | 650                |
| ERDOL 010 R  | 37                | 61  | 0,5              | 0,5                            | 0,5                            | 4 | 2,77                | 10           | 700                |
| ERDOL 013 R  | 37                | 61  | 0,5              | 0,5                            | 0,5                            | 6 | 2,77                | 10           | 650                |
| ERDOL 021 R  | 41                | 57  | 0,5              | 0,5                            | 0,5                            | 4 | 2,82                | 9            | 750                |
| ERDOL 022 R  | 48                | 50  | 0,5              | 0,5                            | 0,5                            | 4 | 2,84                | 9            | 750                |
| ERDOL 024 R  | 48                | 50  | 0,5              | 0,5                            | 0,5                            | 7 | 2,83                | 9,3          | 700                |

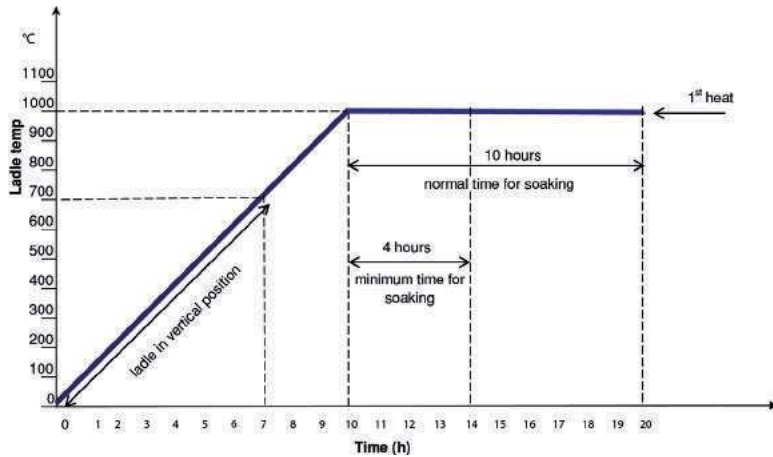
## ECO - PITCH BONDED DOLOMITE-CARBON BRICKS

| Product Name | Chemical Analysis |     |                  |                                |                                |   | Physical Properties |              |                    |
|--------------|-------------------|-----|------------------|--------------------------------|--------------------------------|---|---------------------|--------------|--------------------|
|              | MgO               | CaO | SiO <sub>2</sub> | Al <sub>2</sub> O <sub>3</sub> | Fe <sub>2</sub> O <sub>3</sub> | C | Bulk Density        | APR Porosity | C.C.Strength       |
|              |                   |     |                  |                                |                                |   | g/cm <sup>3</sup>   | vol. %       | kg/cm <sup>2</sup> |
| ERDOL 005    | 37                | 61  | 0,5              | 0,5                            | 0,5                            | 8 | 2,7                 | 11           | 350                |
| ERDOL 010    | 37                | 61  | 0,5              | 0,5                            | 0,5                            | 4 | 2,75                | 10           | 400                |
| ERDOL 013    | 37                | 61  | 0,5              | 0,5                            | 0,5                            | 6 | 2,75                | 10,2         | 400                |
| ERDOL 021    | 41                | 57  | 0,5              | 0,5                            | 0,5                            | 4 | 2,77                | 9,6          | 500                |
| ERDOL 022    | 48                | 50  | 0,5              | 0,5                            | 0,5                            | 4 | 2,8                 | 10           | 450                |
| ERDOL 024    | 48                | 50  | 0,5              | 0,5                            | 0,5                            | 7 | 2,75                | 10           | 450                |

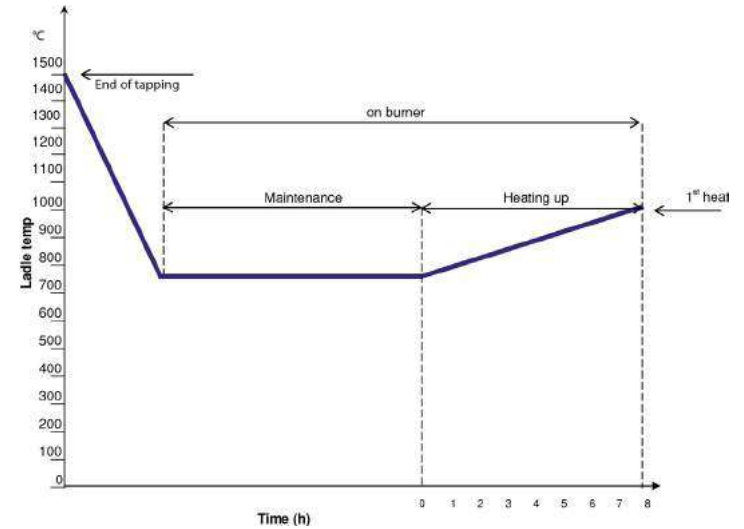
## DOLOMITE MIXES

| Product Name          | Chemical Analysis |       |                  |                                |                                |   | Physical Properties               |                  |
|-----------------------|-------------------|-------|------------------|--------------------------------|--------------------------------|---|-----------------------------------|------------------|
|                       | MgO               | CaO   | SiO <sub>2</sub> | Al <sub>2</sub> O <sub>3</sub> | Fe <sub>2</sub> O <sub>3</sub> | C | Bulk Density<br>g/cm <sup>3</sup> | Grain Size<br>mm |
| DUROFIL               | 36                | 62    | 0,5              | 0,5                            | 0,5                            | - | 2,45                              | 0-6              |
| DURAMDOL              | 36                | 62    | 0,5              | 0,5                            | 0,5                            | 6 | 2,8                               | 0-6              |
| DURPLAST              | 38                | 58    | 0,4              | 0,2                            | 0,2                            | - | 2,7                               | 0-3              |
| VARDOL EAF<br>(EPD-6) | 37-38             | 57-60 | 0,5              | 0,5                            | 0,5                            | - | ≥3,1                              | 0-6              |

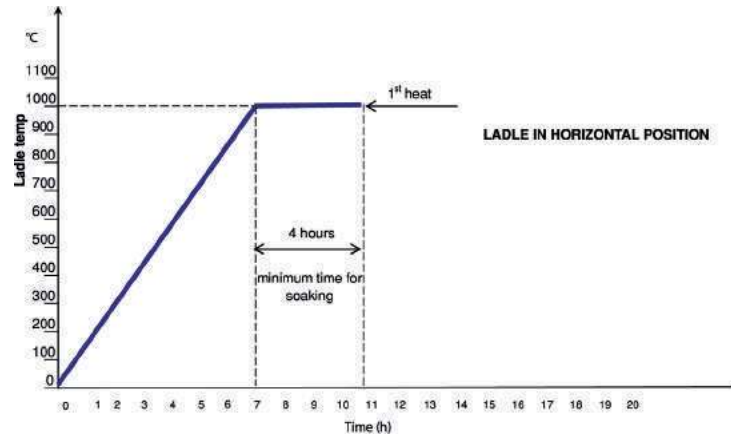
# LADLE HEAT UP SCHEDULE FOR DOLOMA LININGS



**LADLE PRE-HEATING CURVE**



**LADLE MAINTENANCE CURVE**



**LADLE RE-HEATING CURVE**



# STANDARD BRICK SHAPES

## LADLE BRICKS P - FORMAT

| Shape     | Dimensions (mm) |     |     |     |         | Volume<br>dm <sup>3</sup> | Radius<br>r (mm) |
|-----------|-----------------|-----|-----|-----|---------|---------------------------|------------------|
|           | a               | b   | h   | l   | k (a-b) |                           |                  |
| 1P 0      | 125             | 125 | 90  | 250 |         | 2,81                      |                  |
| 1P 8      | 129             | 121 | 90  | 250 | 8       | 2,81                      | 1.384            |
| 1P 18     | 134             | 116 | 90  | 250 | 18      | 2,81                      | 590              |
| 1P 26     | 138             | 112 | 90  | 250 | 26      | 2,81                      | 395              |
| 1P 37     | 143             | 106 | 90  | 250 | 37      | 2,80                      | 263              |
| 1P 8-2/3  | 86              | 78  | 90  | 250 | 8       | 1,85                      |                  |
| 1P 8-3/4  | 97              | 89  | 90  | 250 | 8       | 2,09                      |                  |
| 2P 0      | 125             | 125 | 124 | 250 |         | 3,88                      |                  |
| 2P 10     | 130             | 120 | 124 | 250 | 10      | 3,88                      | 1.513            |
| 2P 24     | 137             | 113 | 124 | 250 | 24      | 3,88                      | 594              |
| 2P 10-2/3 | 87              | 77  | 124 | 250 | 10      | 2,54                      |                  |
| 2P 10-3/4 | 98              | 88  | 124 | 250 | 10      | 2,88                      |                  |
| 3P 0      | 100             | 100 | 155 | 250 |         | 3,88                      |                  |
| 3P 8      | 104             | 96  | 155 | 250 | 8       | 3,88                      | 1.899            |
| 3P 10     | 105             | 95  | 155 | 250 | 10      | 3,88                      | 1.504            |
| 3P 20     | 110             | 90  | 155 | 250 | 20      | 3,88                      | 713              |
| 3P 26     | 113             | 87  | 155 | 250 | 26      | 3,88                      | 525              |
| 3P 10-2/3 | 70              | 60  | 155 | 250 | 10      | 2,52                      |                  |
| 3P 10-3/4 | 79              | 69  | 155 | 250 | 10      | 2,87                      |                  |

| Shape     | Dimensions (mm) |     |     |     |         | Volume<br>dm <sup>3</sup> | Radius<br>r (mm) |
|-----------|-----------------|-----|-----|-----|---------|---------------------------|------------------|
|           | a               | b   | h   | l   | k (a-b) |                           |                  |
| 4P 0      | 100             | 100 | 187 | 250 |         | 4,68                      |                  |
| 4P 8      | 104             | 96  | 187 | 250 | 8       | 4,68                      |                  |
| 4P 12     | 106             | 94  | 187 | 250 | 12      | 4,68                      |                  |
| 4P 22     | 111             | 89  | 187 | 250 | 22      | 4,68                      |                  |
| 4P 12-2/3 | 71              | 59  | 187 | 250 | 12      | 3,04                      |                  |
| 4P 12-3/4 | 80              | 68  | 187 | 250 | 12      | 3,46                      |                  |
| 5P 0      | 100             | 100 | 220 | 250 |         | 5,50                      |                  |
| 5P 8      | 104             | 96  | 220 | 250 | 8       | 5,50                      | 2.695            |
| 5P 16     | 108             | 92  | 220 | 250 | 16      | 5,50                      | 1.293            |
| 5P 22     | 111             | 89  | 220 | 250 | 22      | 5,50                      | 8                |
| 5P16-2/3  | 72              | 56  | 220 | 250 | 16      | 3,52                      |                  |
| 5P 16-3/4 | 81              | 65  | 220 | 250 | 16      | 4,02                      |                  |

## LADLE BRICKS SEMI UNIVERSAL

| Shape   | Dimensions (mm) |       |       |     | Volume<br>dm <sup>3</sup> | Radius<br>D (mm) |
|---------|-----------------|-------|-------|-----|---------------------------|------------------|
|         | a               | b     | h     | l   |                           |                  |
| S U 430 | 210             | 188,7 | 101,6 | 100 | 2,03                      | 1500 - 2500      |
| S U 445 | 210             | 195,8 | 101,6 | 100 | 2,06                      | 2100 - 3400      |
| S U 530 | 210             | 183,4 | 127   | 100 | 2,50                      | 1500 - 2500      |
| S U 545 | 210             | 192,3 | 127   | 100 | 2,55                      | 2100 - 3400      |
| S U 560 | 210             | 196,7 | 127   | 100 | 2,58                      | 2800 - 4500      |
| S U 630 | 210             | 178,1 | 152,4 | 100 | 2,96                      | 1500 - 2500      |
| S U 645 | 210             | 188,7 | 152,4 | 100 | 3,04                      | 2100 - 3400      |
| S U 660 | 210             | 194   | 152,4 | 100 | 3,08                      | 2800 - 4500      |
| S U 745 | 210             | 185,2 | 177,8 | 100 | 3,51                      | 2100 - 3400      |
| S U 760 | 210             | 191,4 | 177,8 | 100 | 3,57                      | 2800 - 4500      |
| S U 830 | 210             | 168   | 203,2 | 100 | 3,78                      | 1500 - 2500      |
| S U 845 | 210             | 181,6 | 203,2 | 100 | 3,98                      | 2400 - 3600      |
| S U 860 | 210             | 188,7 | 203,2 | 100 | 4,05                      | 3400 - 4600      |
| S U 930 | 210             | 163   | 228,6 | 100 | 4,20                      | 1500 - 2500      |
| S U 945 | 210             | 178,1 | 228,6 | 100 | 4,44                      | 2100 - 3400      |
| S U 960 | 210             | 186,1 | 228,6 | 100 | 4,53                      | 2800 - 4500      |

# STANDARD BRICK SHAPES

## LADLE BRICKS RADIAL KEY

| Shape          | Dimensions (mm) |     |     |     |        | Volume          | Radius |
|----------------|-----------------|-----|-----|-----|--------|-----------------|--------|
|                | a               | b   | h   | l   | k(a-b) | dm <sup>3</sup> | r (mm) |
| 12/11 - 10     | 211             | 200 | 125 | 100 | 11     | 2,57            | 2282   |
| 12/21 - 10     | 221             | 200 | 125 | 100 | 21     | 2,63            | 1207   |
| 12/33 - 10     | 233             | 200 | 125 | 100 | 33     | 2,71            | 784    |
| 12/50 - 10     | 250             | 200 | 125 | 100 | 50     | 2,81            | 539    |
| 15/13 - 10     | 213             | 200 | 150 | 100 | 13     | 3,10            | 2308   |
| 15/25 - 10     | 225             | 200 | 150 | 100 | 25     | 3,19            | 1200   |
| 15/40 - 10     | 240             | 200 | 150 | 100 | 40     | 3,30            | 750    |
| 15/60 - 10     | 260             | 200 | 150 | 100 | 60     | 3,45            | 540    |
| 18/16 - 10     | 216             | 200 | 180 | 100 | 16     | 3,74            | 2250   |
| 18/30 - 10     | 230             | 200 | 180 | 100 | 30     | 3,87            | 1200   |
| 18/48 - 10     | 248             | 200 | 180 | 100 | 48     | 4,03            | 750    |
| 18/72 - 10     | 272             | 200 | 180 | 100 | 72     | 4,25            | 540    |
| 22/19 - 10     | 219             | 200 | 220 | 100 | 19     | 4,61            | 2300   |
| 22/37 - 10     | 237             | 200 | 220 | 100 | 37     | 4,81            | 1200   |
| 22/59 - 10     | 259             | 200 | 220 | 100 | 59     | 5,05            | 750    |
| 22/16 - 10     | 216             | 200 | 250 | 100 | 16     | 5,20            | 3131   |
| 25/30 - 10     | 230             | 200 | 250 | 100 | 30     | 5,38            | 1670   |
| 25/16 - 10_2/3 | 149             | 133 | 250 | 100 | 16     | 3,53            | 2087   |
| 25/30 - 10_2/3 | 163             | 133 | 250 | 100 | 30     | 3,71            | 119    |
| 25/16 - 10_3/4 | 166             | 150 | 250 | 100 | 16     | 3,95            | 2348   |
| 25/30 - 10_3/4 | 180             | 150 | 250 | 100 | 30     | 4,13            | 1258   |



# STANDARD BRICK SHAPES

## LADLE BRICKS MINI KEY

| Shape     | Dimensions (mm) |     |       |     |         | Volume<br>dm <sup>3</sup> | Radius<br>r (mm) |
|-----------|-----------------|-----|-------|-----|---------|---------------------------|------------------|
|           | a               | b   | h     | l   | k (a-b) |                           |                  |
| MK 4/0    | 150             | 150 | 101,6 | 100 | 0       | 1,52                      |                  |
| MK 4/6    | 153             | 147 | 101,6 | 100 | 6       | 1,52                      | 2496             |
| MK 4/12   | 156             | 144 | 101,6 | 100 | 12      | 1,52                      | 1229             |
| MK 4/20   | 160             | 140 | 101,6 | 100 | 20      | 1,52                      | 726              |
| MK 5/0    | 150             | 150 | 127   | 100 | 0       | 1,91                      |                  |
| MK 5/8    | 154             | 146 | 127   | 100 | 8       | 1,91                      | 2324             |
| MK 5,20   | 160             | 140 | 127   | 100 | 20      | 1,91                      | 901              |
| MK 5/32   | 166             | 134 | 127   | 100 | 32      | 1,91                      | 549              |
| MK 5/20 K | 130             | 110 | 127   | 100 | 20      | 1,52                      | 708              |
| 120 6/0   | 150             | 150 | 152,4 | 100 | 0       | 2,29                      |                  |
| MK 6/8    | 154             | 146 | 152,4 | 100 | 8       | 2,29                      | 2787             |
| MK 6/13   | 157             | 144 | 152,4 | 100 | 13      | 2,29                      | 1696             |
| MK 6/20   | 160             | 140 | 152,4 | 100 | 20      | 2,29                      | 1077             |
| MK 6/30   | 165             | 135 | 152,4 | 100 | 30      | 2,29                      | 700              |
| MK 6/40   | 170             | 130 | 152,4 | 100 | 40      | 2,29                      | 513              |
| MK 6/20 K | 130             | 110 | 152,4 | 100 | 20      | 1,83                      | 846              |
| 120 7/0   | 150             | 150 | 177,8 | 100 | 0       | 2,67                      |                  |
| MK 7/8    | 154             | 146 | 177,8 | 100 | 8       | 2,67                      | 3251             |
| MK 7/13   | 157             | 144 | 177,8 | 100 | 13      | 2,68                      | 1976             |
| MK 7/16   | 158             | 142 | 177,8 | 100 | 16      | 2,67                      | 1586             |
| MK 7/20   | 160             | 140 | 177,8 | 100 | 20      | 2,67                      | 1254             |
| MK 7/30   | 165             | 135 | 177,8 | 100 | 30      | 2,67                      | 812              |
| MK 7/40   | 170             | 130 | 177,8 | 100 | 40      | 2,67                      | 593              |
| MK 7/20 K | 130             | 110 | 177,8 | 100 | 20      | 2,13                      | 985              |

| Shape   | Dimensions (mm) |     |       |     |         | Volume<br>dm <sup>3</sup> | Radius<br>r (mm) |
|---------|-----------------|-----|-------|-----|---------|---------------------------|------------------|
|         | a               | b   | h     | l   | k (a-b) |                           |                  |
| 120 8/0 | 150             | 150 | 203,2 | 100 | 0       | 3,05                      |                  |
| MK 8/8  | 154             | 146 | 203,2 | 100 | 8       | 3,05                      | 3714             |
| MK 8/16 | 157             | 144 | 203,2 | 100 | 16      | 3,05                      | 1836             |
| MK 8/20 | 160             | 140 | 203,2 | 100 | 20      | 3,05                      | 1431             |
| MK 8/30 | 165             | 135 | 203,2 | 100 | 30      | 3,05                      | 925              |
| MK 8/40 | 170             | 130 | 203,2 | 100 | 40      | 3,05                      | 674              |
| MK 9/0  | 150             | 150 | 228,6 | 100 | 0       | 3,43                      | 4178             |
| MK 9/8  | 154             | 146 | 228,6 | 100 | 8       | 3,43                      | 2064             |
| MK 9/16 | 157             | 144 | 228,6 | 100 | 16      | 3,43                      | 1039             |
| MK 9/30 | 165             | 135 | 228,6 | 100 | 30      | 3,43                      | 755              |
| MK 9/40 | 170             | 130 | 228,6 | 100 | 40      | 3,43                      | 586              |
| MK 9/50 | 175             | 125 | 228,6 | 100 | 50      | 3,43                      |                  |
| 25/0    | 150             | 150 | 250   | 100 | 0       | 3,75                      | 4569             |
| 25/8    | 154             | 146 | 250   | 100 | 8       | 3,75                      | 2225             |
| 25/16   | 158             | 142 | 250   | 100 | 16      | 3,75                      | 1134             |
| 25/30   | 165             | 135 | 250   | 100 | 30      | 3,75                      | 515              |
| 25/60   | 180             | 120 | 250   | 100 | 60      | 3,75                      |                  |
| 30/0    | 150             | 150 | 300   | 100 | 0       | 4,50                      | 5481             |
| 30/8    | 154             | 146 | 300   | 100 | 8       | 4,50                      | 2107             |
| 30/20   | 160             | 140 | 300   | 100 | 20      | 4,50                      | 985              |
| 30/40   | 170             | 130 | 300   | 100 | 40      | 4,50                      | 507              |
| 30/70   | 185             | 115 | 300   | 100 | 70      | 4,50                      |                  |

# PRODUCT PACKAGING

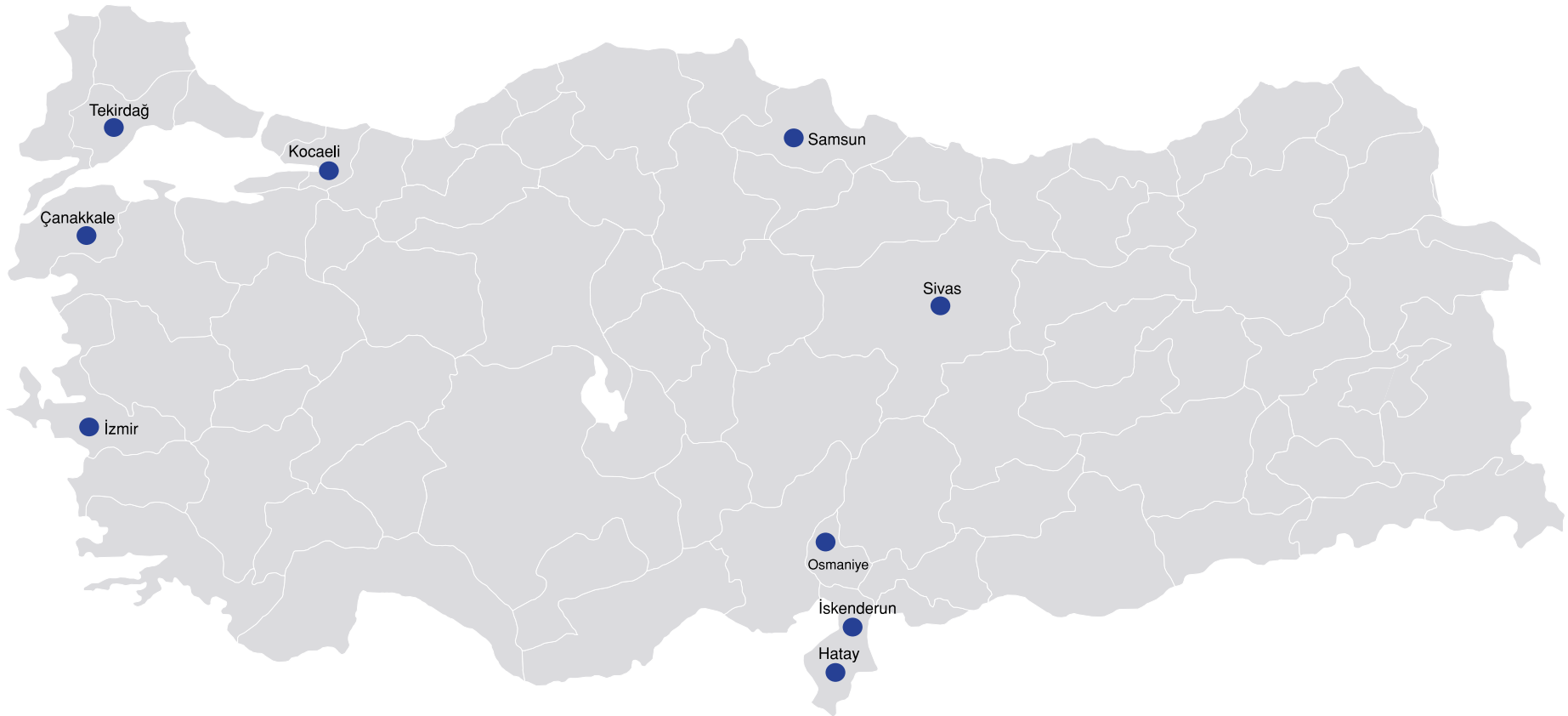
Vardar Dolomite products are shipped globally to all corners of the world such as United States, Japan, Australia and South Africa. Acknowledging dolomites' susceptibility to atmospheric moisture and tendency of hydration, Vardar commits to delivering its materials to each destination at its perfect condition. Dolomite pallets, when stored in dry atmospheres without any damage to packaging, may stay intact for around 6 months.

Vardar practices two types of packaging based on the vicinity of customers and pays utmost attention to avoiding the use of unnecessary packaging and waste of labor force.

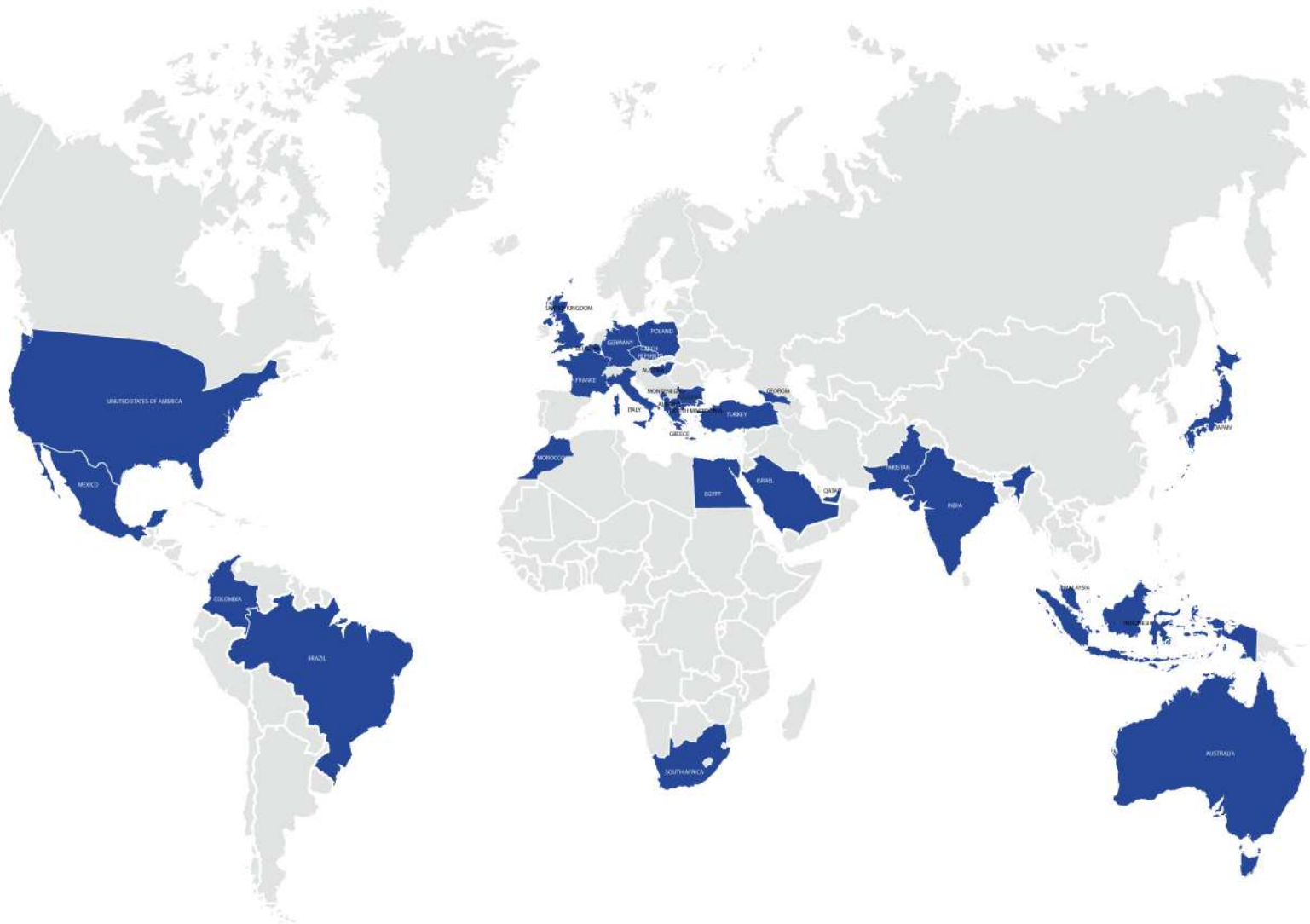
Some very important factors that are highly considered in the elimination of excessive packaging are minimizing our carbon footprint, protecting the environment and rightfully employing the precepts of our ISO 14001 Environmental Management System Certificate.



# CUSTOMER NETWORK OUR PRESENCE IN TURKEY



# CUSTOMER NETWORK OUR INTERNATIONAL PRESENCE



● IRON & STEEL PRODUCTION

## NEW TEMPER KILN-2019





## NEW PRESS ACQUISITION- 2020

Laeis HPF 1600: Hydraulic double pressure press



# ISO CERTIFICATES

## ISO 9001 Quality Management System Certificate

**bsi.**  

### Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that: Vardar Dolomit DOOEL  
ULJ.N.A Bc.318  
Gostivar / North Macedonia  
1230  
Republic of North Macedonia

Holds Certificate No: **FM 504509**

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

Production and delivery of sinter dolomite, dolomite masses and shaped dolomite products.

For and on behalf of BSI:   
Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 2006-02-15      Effective Date: 2020-12-25  
Latest Revision Date: 2020-12-09      Expiry Date: 2023-12-24

Pages: 1 of 1

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## ISO 14001 Environmental Management System Certificate

**bsi.**  

### Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that: Vardar Dolomit DOOEL  
ULJ.N.A Bc.318  
Gostivar / North Macedonia  
1230  
Republic of North Macedonia

Holds Certificate No: **EMS 524809**

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

Production and delivery of sinter dolomite, dolomite masses and shaped dolomite products.

For and on behalf of BSI:   
Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 2009-01-07      Effective Date: 2020-01-07  
Latest Revision Date: 2020-01-03      Expiry Date: 2023-01-06

Pages: 1 of 1

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## ISO 50001 Energy Management System Certificate

**bsi.**  

### Certificate of Registration

ENERGY MANAGEMENT SYSTEM - ISO 50001:2011

This is to certify that: Vardar Dolomit DOOEL  
ULJ.N.A Bc.318  
Gostivar  
1230  
Macedonia

Holds Certificate No: **ENMS 685986**

and operates an Energy Management System which complies with the requirements of ISO 50001:2011 for the following scope:

Production and delivery of sinter dolomite, dolomite masses and shaped dolomite products.  
Energy sources include electricity for production and delivery of sinter dolomite, dolomite masses and shaped dolomite products, heavy and light fuel oil for production of sinter dolomite, light fuel oil for tempering shaped dolomite products.

For and on behalf of BSI:   
Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 2018-01-22      Effective Date: 2018-01-22  
Latest Revision Date: 2018-01-22      Expiry Date: 2021-01-21

Pages: 1 of 1

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## Management & Sales

info@vardardolomit.com.mk  
info@vardardolomit.com

## Production Plant

Ul. "JNA" No.318 1230 Gostivar

p.fax 210

+389 (0)42 219-030

+389 (0)42 242-507

info@vardardolomit.com.mk  
info@vardardolomit.com

## Finance Department

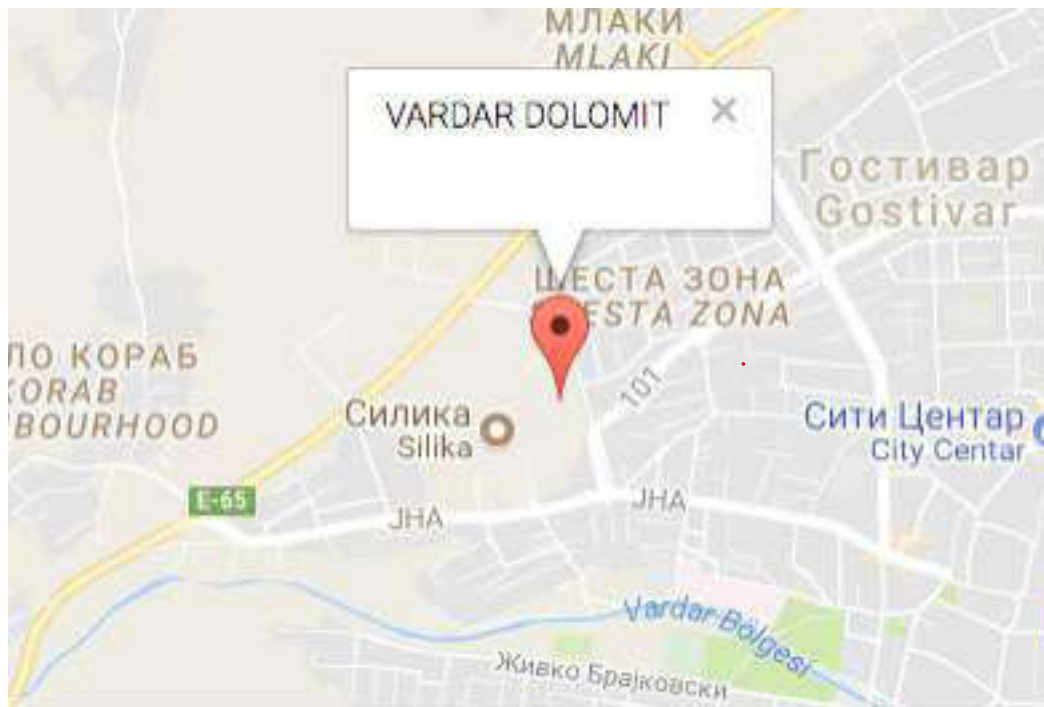
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**THANK YOU!**

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