



**Z K M Ltd.**  
Russian manufacturer of  
**PLAZA STONE®** product presents

## **S L A B S** **DECORATIVE T I L E S**

MADE OF COMPOUND STONE

### **Manufacture**

**ZKM Ltd.** – is the ONLY manufacturer in Russia and CIS applying **unique Bretonstone technology** (for producing slabs and decorative tiles from compound stone) and **BRETON S.p.A.** (Italy) **equipment** – a well known world leader in the field

### **Production**

**PLAZA STONE®** compound stone is produced on the basis of **quartz**, one of the most beautiful and hardest natural materials, and high-quality **polyester resin** and **pigments** in the ration : **quartz – 93%:resin 7 %**

### **Field of Application**

Perfect **Bretonstone technology** makes it possible to produce best-quality universal material:

- High content of quartz provides exceptional hardness, wearing capacity, strength and durability of **PLAZA STONE®**, which makes it indispensable for **flooring**, **steps** and **windowsills**, **reception desks** and **bar counters**, for **interiors** of **administrative**, **commercial**, **business**, **shopping** centers and **hotels**, for **swimming pool** and **bathroom** lining;
- Vacuum vibro-compression technology enables fabrication of the material free of pores and microcracks which are typical for the natural stone (granite and marble), thus ensuring almost zero water absorption;
- Excellent water-repellent properties impart to **PLAZA STONE®** high antibacterial and antiacid performance. It guarantees high hygienic characteristics, keeps surface glitter without additional polishing or hermetic encapsulation and makes **PLAZA STONE®** an ideal material for kitchen and laboratory table tops and various functional surfaces;
- Wealth and intensity of colour, variety of texture, excellent technical characteristics satisfy the most exacting and aesthetic needs of the clients, attach exquisite refinement to interiors, open up infinite opportunities for lively plastic imagination of architects and designers.

### **Advantages**

- **HIGH-QUALITY PRODUCTION** is supported by Certificate of Origin, Certificate of Conformance and Sanitary-and-Epidemiologic Conclusion that indicate **ECOLOGICAL CLEARNESS** of the material.
- **PERFECT PHYSICAL-MECHANICAL PROPERTIES**: *flexural(compression, tension) strength, shock resistance, water- repellency, wearing capacity* **considerably surpass** those of granite, marble and ceramic granite; **PLAZA STONE®** compound stone is characterized by *high acid and bacterial resistance, stability for high temperature, and non-absorption of odors.*

## COMPARISON PHYSICAL-MECHANICAL PRODUCTION DATA

Parameters	Plaza Stone®	Granite*	Marble*	Ceramic granite*
Density, kg/m <sup>3</sup>	2450	2600-2700	2600-2900	2140
Flexural strength, kg/sm <sup>2</sup>	575	130	115	450
Shock resistance, sm	135	65	35	45
Water absorption, % from weighth	< 0,02	0,2	0,13	0,08
Wearing capacity, mm <sup>3</sup>	160-180	195-219	355-380	160-180

\* - average readings from reference data

- **PLAZA STONE®** is practically FREE of PORES and MICROCRACKS inherent in natural stone
- **PLAZA STONE®** palette currently includes 16 EXCLUSIVE COLOURS
- on the CUSTOMER's request the TEXTURE SURFACE can be varied:  
*POLISHED, MATT, TEXTURED ("LEATHER", "VELVET", "EGG")*
- fillers such as MIRROR, MOTHER of PEARL, COLORED GLASS can make the product EXCLUSIVE
- **Breton NC 260 (contouring machine center)** is designed for manufacturing of various finished products (table tops, stairs, windowsills, plinths) on CORPORATE and PRIVATE ORDERS
- PERFECT terms of delivery
- ORDER PROCESSING on a case-by-case basis

Our MANAGERS are always at your disposal to help you with any information and will be happy to send you free of charge PRICE-LIST, PROMOTIONAL MATERIAL and SAMPLES .

We hope our cooperation to be fruitful and mutually beneficial.

Export Department ZKM Ltd.