



## Tender Specifications „Basalt“

Supply of porcelain stoneware floor coverings of Porcelaingres:

### 1. CHARACTERISTICS OF PRODUCTS AND MANUFACTURING PROCESSES

The material must be manufactured by means of a dry-pressing process of the atomized mixture made up of kaolin minerals, feldspars and inert materials with low iron content, and subsequently made mechanically resistant by means of the firing process at a temperature of 1250°C. The material surface possesses a high-quality, burned glaze.

### 2. STANDARD CONFORMITY

The material must be certificate after ISO standards in accordance with the valid international defined technical features.

ISO 10545,2 (dimensions)  
ISO 10545,3 (waters absorption)  
ISO 10545,4 (bending strength)  
ISO 10545,7 (deep abrasion)  
ISO 10545,9 (resistance to thermal shock)  
ISO 10545,13 (chemical resistance)  
ISO 10545,12 (frost resistance)  
ISO 10545,14 (stain stability)  
DIN 51094 (colour resistance to light)  
DIN 51130 (Slip resistance)

### 3. PRODUCT DESCRIPTION FOR THE TRADE ENTERPRISE

COLLECTION "Basalt"  
FORMAT "66,6x33,3" / "33,3x33,3" / "33,3x16,5" / „16,5x16,5“



#### 4. TECHNICAL FEATURES

Technical features (ISO standard)	Results										
<b>Water absorption (ISO 10545-3 EN 99):</b>	$E \leq 0,05 \%$										
<b>Frost resistance (ISO10545-12 EN 202):</b>	Frost-proof										
<b>Bending strength (ISO10545-4 EN 100):</b>	33,3x66,6 $N \leq 53 \text{ N/ mm}^2$										
<b>Chemical resistance (ISO 10545-13 EN 106):</b>	Unaffected										
<b>Slip Resistance (DIN 51130 / BCR)</b>	R9										
<b>Resistance against deep abrasion (ISO 10545-7)</b>	Class 4 (tested on Basalt Grau-Beige)										
<b>Sizes (ISO 10545-2 EN 98):</b>	<table border="0"> <tr> <td>Length and Width</td> <td><math>\pm 0,2\%</math> mean value</td> </tr> <tr> <td>Thickness</td> <td><math>\pm 5,0\%</math> mean value</td> </tr> <tr> <td>Linearity</td> <td><math>\pm 0,2\%</math> mean value</td> </tr> <tr> <td>Wedging</td> <td><math>\pm 0,2\%</math> mean value</td> </tr> <tr> <td>Warpage</td> <td><math>\pm 0,2\%</math> mean value</td> </tr> </table>	Length and Width	$\pm 0,2\%$ mean value	Thickness	$\pm 5,0\%$ mean value	Linearity	$\pm 0,2\%$ mean value	Wedging	$\pm 0,2\%$ mean value	Warpage	$\pm 0,2\%$ mean value
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Warpage	$\pm 0,2\%$ mean value										
<b>Resistance to thermal shock (ISO 10545-9 EN 104):</b>	Resistant										
<b>Colour resistance to light (DIN 51094):</b>	no change in brightness or colour										
<b>Stain resistance after abrasion and abrasion + chemical attach. (ISO10545-14):</b>	Class 5 (surface completely restored to the pristine aspect)										