



**dimpomar**  
ROCHAS PORTUGUESAS, LDA.



**RUIVINA**  
(dark grey marble)

**GENERAL INFO**

<b>Material Type:</b>	Marble
<b>Country of Origin:</b>	PORTUGAL
<b>Other Names:</b>	
<b>Petrographic Description:</b>	N/A
<b>Macroscopic Description:</b>	N/A

**PHISICAL-MECHANICAL PROPERTIES**

<b>Compression Breaking Load:</b>	930 Kg/cm <sup>2</sup>
<b>Compression B.L. after Freezing Test:</b>	952 Kg/cm <sup>2</sup>
<b>Bending Strength:</b>	270 Kg/cm <sup>2</sup>
<b>Volumetric Weigth:</b>	2715 Kg/m <sup>3</sup>
<b>Water Absorption:</b>	0,05 %
<b>Apparent Porosity:</b>	0,14 %
<b>Thermal Linear Expansion Coefficient:</b>	5,4 10 <sup>6</sup> per °C
<b>Abrasion Test:</b>	2,6 mm
<b>Impact Test:</b>	50 cm
<b>Freeze-Defreeze cycles (no alteration after):</b>	48 cycles

**MICROSCOPIC PROPERTIES**

**Calcite:** ~98 %      **Quartz:** < 1%

**CHEMICAL ANALYSIS**

<b>Al<sub>2</sub>O<sub>3</sub>:</b>	0,36%
<b>CaO:</b>	55,07%
<b>Fe<sub>2</sub>O<sub>3</sub>:</b>	0,09%
<b>K<sub>2</sub>O:</b>	0,12%
<b>MgO:</b>	0,18%
<b>Na<sub>2</sub>O:</b>	0,05%
<b>P.R.:</b>	43,42%
<b>SiO<sub>2</sub>:</b>	1,07%
<b>CO<sub>2</sub>:</b>	43,42%
<b>P<sub>2</sub>O<sub>5</sub>:</b>	0,03%