

**Istanbul Technical University**  
**Mining Engineering Faculty**  
**Department of Geological Engineering**

The Study Group of Applied Geology  
Engineering Geology and Rock Mechanics Laboratories

**The Results of the Experiment for Single-Axis Pressure Resistance after the Process of Freezing**

Company	Bloktaş Madencilik Ltd. Şti.
The trade name of the stone	Soğucak Küfeki
The receive date of the sample	8 April 2011
The date of the report	4 May 2011
Sample type	Block
Sample Form	Cube
The name of the laboratory	Rock Mechanics
The standard of the experiment	TS 699 (2000)

Sample Number	Width (cm)	Breadth (cm)	Pressure Resistance (kgf/cm <sup>2</sup> )
1	5,00	5,00	405
2	5,00	5,00	656
3	5,00	5,00	507
4	5,00	5,00	615
5	5,00	5,00	689

Average Pressure Resistance after Freezing (kgf/cm <sup>2</sup> )	574,4
Standard Deviation	± 117

The experiment made by  
Technician Yüksel İLGAR

controlled by  
Ass. Prof. Yılmaz Mahmutoğlu