



Client:	Bettazza Graniti SA, Cevio	
Work:	Certification of natural stones	
Date:	11.05.05	Mandate: 04-4389

## COMPRESSIVE STRENGTH

Standard: EN 1926

### Tested samples:

**Description:** Biotitic paragneiss  
**Location:** Quarry Boschetto, Bettazza Graniti SA, CH - 6675 Cevio  
**Dimensions:** Cores H = Ø = ca. 50 mm  
**Sampled by:** Client  
**Date of delivery:** 22.02.05  
**Date of testing:** 10.05.05  
**Technician:** Tec. M. Somazzi

**Preservation:** In laboratory at room conditions  
**Loading orientation:** Perpendicular to the schistosity  
**Loading velocity:** 1.0 MPa/s

Name		O-1	O-2	O-3	O-4	O-5	O-6
Diameter	[mm]	49.5	49.5	49.8	49.5	49.8	49.5
Height	[mm]	52.1	51.8	49.1	50.6	44.6	52.1
Mass	[kg]	0.2777	0.2740	0.2603	0.2690	0.2381	0.2777
Apparent density	[kg/dm <sup>3</sup> ]	2.77	2.75	2.72	2.77	2.74	2.77
Aver. app. density	[kg/dm <sup>3</sup> ]	<b>2.75 ± 0.02</b>					
<i>Compressive strength</i>							
Breakink load	[kN]	298.5	301.9	330.3	344.5	386.7	304.2
Compressive strength	[N/mm <sup>2</sup> ]	155.1	156.9	169.6	179.0	198.5	158.1
Aver. compr. strength	[N/mm <sup>2</sup> ]	<b>170 ± 17</b>					

Remarks:

Checked and approved by: Dr. M. Di Tommaso

