



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: Parallel to the schistosity
Loading velocity: 1.0 MPa/s

Name	V-1	V-2	V-3	V-4	V-5	V-6
Diameter [mm]	49.8	49.8	49.8	49.6	49.5	49.5
Height [mm]	49.6	49.5	49.0	51.9	52.6	52.1
Mass [kg]	0.2620	0.2617	0.2595	0.2785	0.2788	0.2770
Apparent density [kg/dm ³]	2.71	2.71	2.72	2.79	2.76	2.76
Aver. app. density [kg/dm ³]	2.74 ± 0.03					
<i>Compressive strength</i>						
Breakink load [kN]	384.0	379.1	332.5	285.3	351.8	358.2
Compressive strength [N/mm ²]	197.1	194.6	170.7	148.0	182.8	186.1
Aver. compr. strength [N/mm ²]	180 ± 18					

Remarks:

Checked and approved by: Dr. M. Di Tommaso

