

Client:	Bettazza Graniti SA, Cevio		
Work:	Certificazione di pietre naturali		
Date:	08.06.05	Mandate:	04-4389

STATIC ELASTIC MODULUS

Standard: prEN 14580

Tested samples:

Description: Biotitic paragneiss
Location: Quarry Boschetto, Bettazza Graniti SA, CH - 6675 Cevio
Dimensions: Cores $\varnothing = 50$ mm, H = 100 mm
Sampled by: Client
Date of delivery: 22.02.05
Date of testing: 06.06.05
Technician: Tec. M. Somazzi

Preservation: In laboratory at room conditions
Loading orientation: Perpendicular to the schistosity
Loading velocity: 0.5 MPa/s
Measuring interval: Third loading phase

Name	PP-1	PP-2	PP-3	PP-4	PP-5	PP-6
Diameter [mm]	49.8	49.8	49.8	49.8	49.8	49.8
Height [mm]	102.6	102.4	102.3	102.2	102.2	102.1
Mass [g]	545.4	542.2	544.7	543	543.3	542.3
App. density [kg/dm ³]	2.729	2.718	2.734	2.728	2.729	2.727
S _{superior} [N/mm ²]	48.9	48.9	48.9	48.9	49.0	49.0
ϵ _{superior} [‰]	2702	2721	2822	2794	2767	2713
S _{inferior} [N/mm ²]	2.8	2.8	2.7	2.7	2.8	2.7
ϵ _{inferior} [‰]	682	653	667	688	710	621
El. mod. [kN/mm ²]	22.9	22.3	21.4	21.9	22.5	22.1
Average	22.2 ± 0.5 kN/mm²					

Remarks:

Checked and approved by: Dr. M. Di Tommaso


