
TEST REPORT n. 1639/2021/I

NATURAL STONE COMPRESSIVE STRENGTH ASTM C170-C170M

Date of report: 03/29/2021

Customer: **BRETON S.P.A.**
Via Garibaldi,27
31030 Castello di Godego (TV)

Requested on: 02/01/2021

Our ref.number: 29788

Execution place of tests: Scandiano (RE)

Description of the sample: "Sintered stone sample 30x30x30 mm
marked: LAPITEC"

Sampling: carried out by the customer

Receipt date of samples: 03/08/2021

Execution date of tests: start: 03/10/2021 end: 03/23/2021

Test specification: Natural stone compressive strength ASTM C170-C170M

Warnings: *This test report can not be reproduced in part, without our written consent.
The reported results relate only to the samples tested.
The information included in quotation marks was provided by the customer.*

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Operating conditions: load application rate: 0.5 MPa/s
surface finish: not stated
direction of load application: orthogonal to the finish
test conditions: dry specimens
press used: Controls press 0-600 kN

Sample	Dimension (mm)		Area (mm ²)	Breaking load (kN)	Compressive strength (MPa)
n.	L _M	H _M	A	w	C
152446-1	30,0	30,3	900	441,0	490,0
152446-2	30,0	30,3	900	445,4	494,9
188045-1	30,0	30,0	900	442,7	491,9
188045-2	30,0	30,0	900	444,8	494,3
192325-1	30,0	30,6	900	444,0	493,3
192325-2	30,0	30,5	900	443,7	492,9
Average compressive strength (MPa):					493 ± 26

sample number	6
Average value (MPa)	493 ± 26
Standard deviation (S) (MPa)	2

- Note 1: measurement uncertainty on mean value reported in expanded form with k=2,56 corresponding to a 95% confidence level.
- Note 2: test was carried out on a sample of a different nature from that for which the standard was designed.
- Note 3: the test was carried out externally at a qualified laboratory, as agreed with the customer.



The Director
Giulia Gaido

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