



# Main Laboratory Sassuolo

Centro di Ricerca, Sperimentazione, Consulenza e Controllo Qualità

Scandiano, 12/31/2015



Messrs **Ceramiche ATLAS CONCORDE S.p.A.**

Via Canaletto, 141  
41042 Spezzano di Fiorano  
(MO)

**Test Report N. 5202/2015 /I**  
on ceramic tiles defined by ASTM C 242

Our ref.num.: 16287  
Date of request: 12/21/2015

## Test Specimen

"Unglazed paver tile 60x60 cm marked:  
COLLECTION MARK 23<sup>5/8</sup> x 23<sup>5/8</sup> LASTRA 20mm"

## Source

Submitted to Laboratory by Client

## Date Received

12/23/2015

## Time of test execution

start: 12/28/2015 end: 12/29/2015

## Test detail / method description / test procedure

" Standard test method for Breaking strength of ceramic tile -  
Standard ASTM C 648 - 04 "

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Test specimen

"Unglazed paver tile 60x60 cm marked:

COLLECTION MARK 23 <sup>5/8</sup> x 23 <sup>5/8</sup> LASTRA 20mm"

**STANDARD TEST METHOD FOR BREAKING STRENGTH OF  
CERAMIC TILE  
(Standard ASTM C 648 - 04)**

Each of the tiles tested is placed, with the working surface facing upward, on three supports arranged at the vertices of an equilateral triangle, so that the center of the tile itself is to be at the center of the circumscribed circumference to cited equilateral triangle. On the center of the tiles a force is applied by means of suitable punch; such force is increased with a defined speed, until the breaking of the tile.

Length of the sides of the triangular support used in testing (mm): 76,2

Measuring range: (0 ÷ 22000) lbs

Sample Number	Breaking Strength (lbs)
1	4019
2	4192
3	3741
4	3630
5	3697
6	4101
7	3847
8	3724
9	4192
10	3751

Average strength (lbs): 3889



THE DIRECTOR  
(M.L. Simioli)

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