

Requested by:	GOZZI AUTOMAZIONI srl Via dell'Artigianato, 51 – 41043 FORMIGINE (MO)		
For the sample:	"WOODOO" – As described below		
On (date):	26/02/16	Date of receipt in laboratory (sample delivered by the client):	02/03/16
Test date		From:	14/03/16 To: 17/03/16

Breaking Strength

The test was performed according to **ASTM C 648**: the test method consists of supporting the sample on the ends of three cylindrical rods arranged in an equilateral triangle, and applying force at a definite rate to the centre of the sample, which coincides with the centre of the triangular support, until the specimen breaks.

OPERATIVE FEATURES

-Length of the sides of the triangular support used in testing (mm):	76.2
-Range of the gage used (N):	0 – 8,829
-Number of specimens in each sample:	10

RESULTS

Sample	Average breaking strength ABS (N – lbf)	Visual examination after the test
1) Back-reinforced (fiber glass) ceramic tiles 20 x 40 cm marked "Ceramic layer"	491 - 110	Cracks that radiate from the point of contact (sphere-surface) with complete separation of three or more pieces of ceramic layer
2) Multilayer (back-reinforced tile coupled with WPC laminate layer) samples 20 x 40 cm marked "WOODOO"	646 - 145	Small cavity on the surface of the tile without complete rupture of the module or cracks
Δ % increase of ABS of sample 2 with respect to that of sample 1	+ 32 %	

Eng. Giordana Carani
Technical approval



Prof. Maria Chiara Bignozzi
Director



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