MAIN LABORATORY SASSUOLO

Testing, Experimentation and Quality Control Laboratory

Main Laboratory Sassuolo S.r.l. - Via F.lli Setti, 7 - 42019 Scandiano - Reggio Emilia (Italy) Cod.Fisc. e P.IVA 03164360368
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TEST REPORT n. 3878/2023/I

RAISE ACCESS FLOORS

EN 12825:2003

5.2.1 STATIC LOAD, LOAD TEST ON ELEMENT

Date of report:	04/08/2023
Customer:	**CERAMICA DEL CONCA S.p.A.** Via Croce, 8 47832 SAN CLEMENTE (RN)
Requested on:	11/07/2023
Our ref.number:	35513
Execution place of tests:	Scandiano (RE)
Description of the sample:	"Ceramic tiles 600x1200x20 mm marked: GRES PORCELLANATO SPESSORATO 60x120 20mm"
Sampling:	carried out by the customer
Receipt date of samples:	18/07/2023
Execution date of tests:	start: 31/07/2023 end: 31/07/2023
Test specification:	Standard EN 12825:2003 Part 5.2.1 Raised access floors - Static load - Load test on element
Warnings:	*This test report may not be reproduced in part without our written approval.* *The results reported only refer to the samples tested, as received, and are only valid under the conditions in which the work was carried out.* *The information enclosed in inverted commas was provided by the customer and the laboratory accepts no liability for it.*

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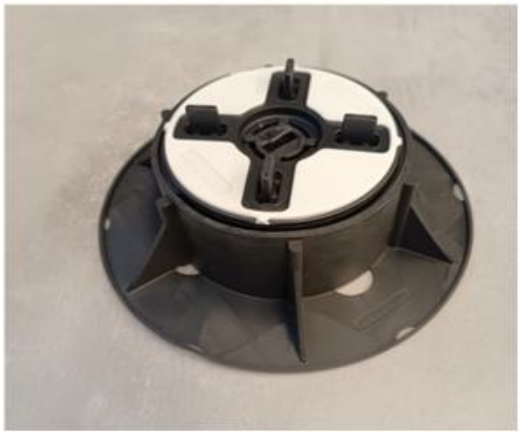
Principle: a steadily increasing load shall be applied to an element until failure of the element occurs. A graph shall be produced showing the deflection of the element against the applied load.

Note: the test has been executed by placing the plastic supports at the top and in the middle of the long sides of the sample as request of the client.

N. samples tested: 3

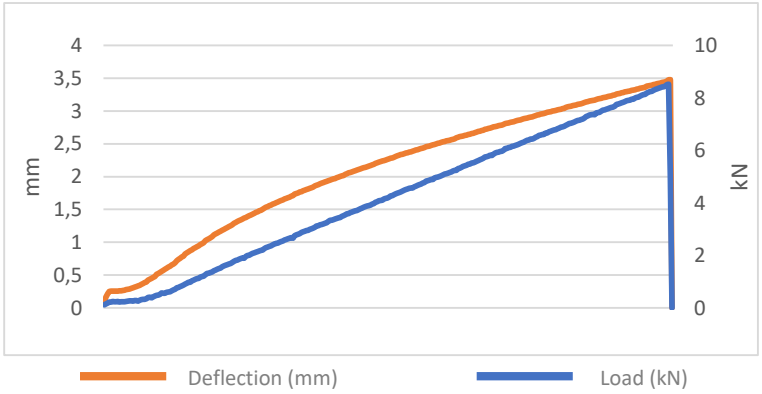
N. pedestal tested: 6

Pedestal used:



Load applied at the centre of the panel:

failure load:	8,52 kN	
deflection at failure load:	3,48 mm	
working load:	4,26 kN	(safety factor 2,0)
deflection at working load:	2,27 mm	



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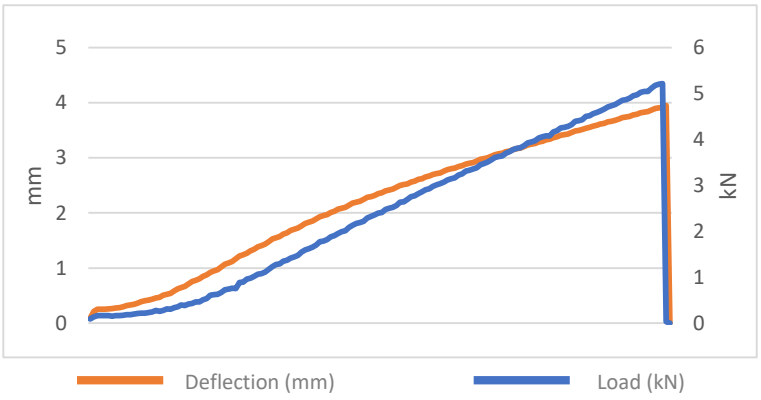
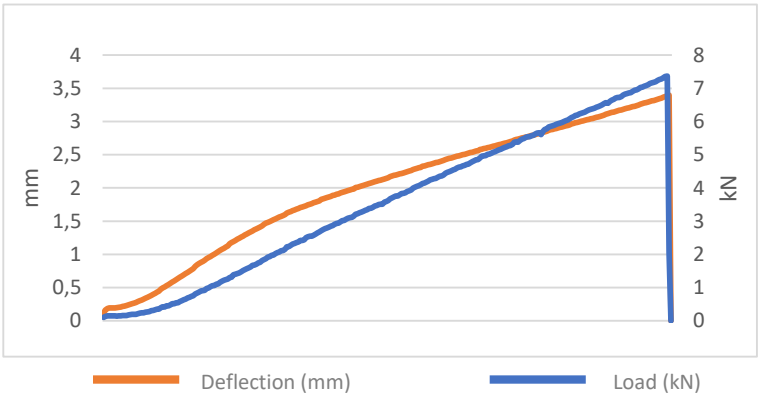
Load applied at the centre of the weaked edge:

failure load:	5,22 kN	
deflection at failure load:	3,95 mm	
working load:	2,61 kN	(safety factor 2,0)
deflection at working load:	2,46 mm	



Load applied at a diagonal 70 mm from the edge of a pedestal head:

failure load:	7,37 kN	
deflection at failure load:	3,40 mm	
working load:	3,69 kN	(safety factor 2,0)
deflection at working load:	2,17 mm	



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Requirement (Standard EN 12825:2003 Part 4.2.2)

The element when subjected to the test procedures as given in 5.2.1 shall meet the following criteria:

a) before the element collapses it shall have withstood the relevant ultimate load for its class as given in table 1.

Class	Ultimate load (kN)
1	≥ 4
2	≥ 6
3	≥ 8
4	≥ 9
5	≥ 10
6	≥ 12

Table 1

b) when the load applied is equivalent to the working load, wich is the ultimate load diveded by the safety factor, the measured deflection shall not exceed the stated value in accordance to table 2.

Class	Maximum deflection (mm)
A	2,5
B	3,0
C	4,0

Table 2

MAIN LABORATORY SASSUOLO S.R.L. Centro di Ricerca Sperimentazione e Controllo Qualità

The Director
Giulia Gaido