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# UNIVERSITÀ DEGLI STUDI DI PADOVA

DIPARTIMENTO DI INGEGNERIA CIVILE, EDILE E AMBIENTALE  
*Laboratorio Sperimentale per le Prove sui Materiali da Costruzione*  
DEPARTMENT OF CIVIL, ENVIRONMENTAL AND ARCHITECTURAL ENGINEERING  
*Building materials testing Laboratory*

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## TEST REPORT N. 34730

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- Applicant: Eterno Ivica S.r.l., via Austria Z.I. n. 25/E - Padova
- Application: Received at 29/06/2012
- Material: 9 samples of pedestal "ETERNO SE1" series, received at 29/06/2012
- Required test: Measure the maximum compressive load of the specimen and the displacement of the testing machine's crossbar.
- Testing method: The compression tests were made for all the 9 samples. The components of the pedestal had been assembled and the four tabs removed, the height of pedestal was regulated to the maximum (50 mm), medium (43.8 mm) e minimum (37.5 mm) stroke of the screw.  
Testing speed set to 10 mm/min (checking movement of moving crossbar of the universal testing machine Galdabini, type Sun/60, with a load capacity of 600 kN).  
The load applied with two hardened steel plate at the centred on the pedestal.  
The values of maximum load ( $F_{max}$ ) are the values of load at first failure/rupture or at the displacement of 6 mm.  
The testing machine's certificate of calibration is n°036-12F about Calibration centre LAT n° 34 with due data January 19<sup>th</sup>, 2013.  
Test activities were carried out on September 20<sup>th</sup>, 2012.  
For any technical and dimensional detail, assembling scheme and any other information not included in this document, brochures and technical data sheets are at Applicant's disposal.

### Test Result

Specimen	Max Load $F_{max}$ [kN]	Stroke at $F_{max}$ [mm]
H <sub>max_1</sub>	14.17	5.0
H <sub>max_2</sub>	13.98	4.5
H <sub>max_3</sub>	11.32	3.6
H <sub>med_1</sub>	16.49	6.0
H <sub>med_2</sub>	15.69	6.0
H <sub>med_3</sub>	16.01	6.0
H <sub>min_1</sub>	41.68	6.0
H <sub>min_2</sub>	37.31	6.0
H <sub>min_3</sub>	37.89	6.0

Padova, November 28<sup>th</sup>, 2012

Laboratory Chief  
(Prof. **Claudio Modena**)

Department Chief  
(Prof. **Carmelo Majorana**)



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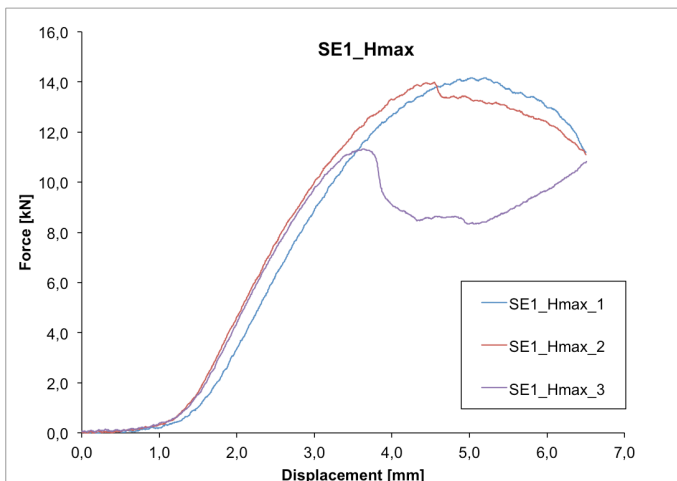
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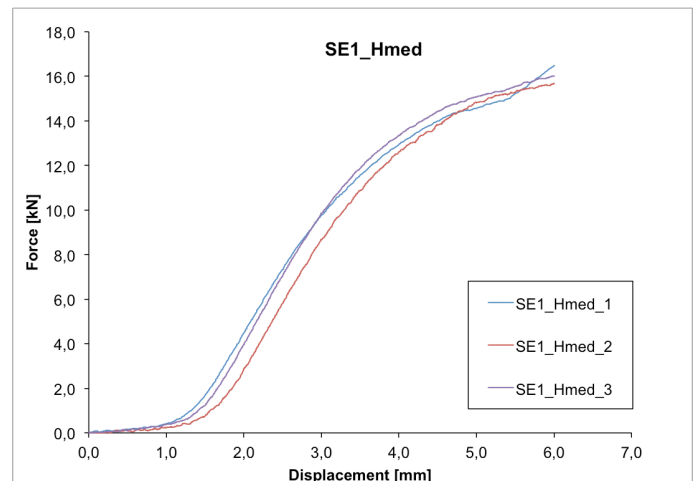
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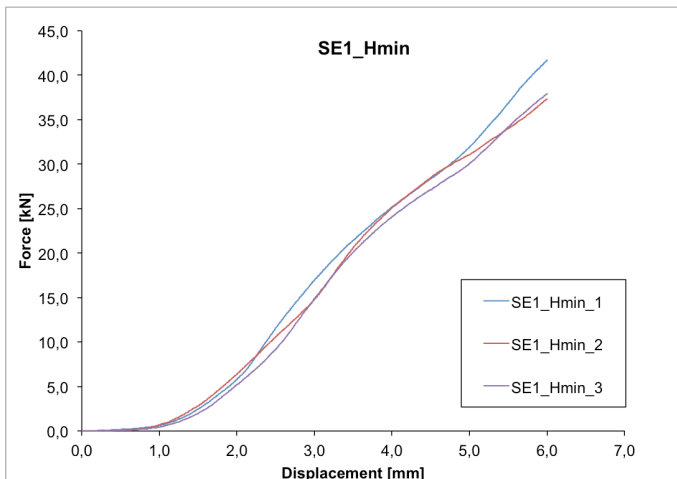
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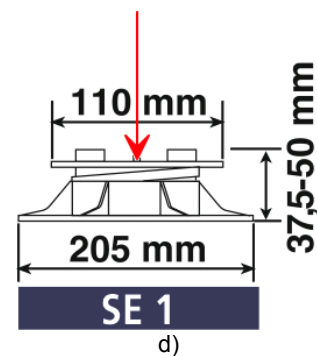
a)



b)



c)



d)

Figure 1 Diagram force versus displacement of testing machine's crossbar for Hmax (a), Hmed (b), Hmin (c) and typical "Eterno SE1" specimen (d).

The annex A (report n. 35342) contains explanation about specimens, test machine and definition of maximum load adopted.

Padova, November 28<sup>th</sup>, 2012

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The results refer to the samples tested. This report cannot be reproduced without explicit authorization from the Building materials testing Laboratory and it isn't a product certification.