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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. 37282

Applicant: Eterno Ivica S.r.l., via Austria Z.I. n. 25/D - Padova

Application: Received at 11/04/2015

Material: 18 samples of pedestal "STAR.T" series, received at 11/04/2015

The "STAR.T" ins an adjustable support for raised floors. It is composed by a base element and an upper element. The STAR.T is able to adjust its height from 8 mm, using only the upper element, to 15 mm using also the base element.

Required test: Measure the maximum compressive load of the specimen and the displacement of the testing machine's crossbar.

Testing method: The components of the pedestal had been assembled and the four tabs removed.
The height of pedestal was regulated to the minimum height (H1 = 10.0 mm), medium height (H2 = 12.5 mm) and maximum height (H3 = 15.0 mm).
The specimens were loaded in two different positions on the top of pedestal, in central position (eccentricity = 0) and lateral position with an eccentricity of 27.5 mm.
For every combination of height and eccentricity were tested 3 specimens.
The load applied with hardened steel plate on the base of specimen and a steel rectangular prism on the top of the pedestal.
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 values of maximum load (F_{max}) are the values of load at first loss of linearity.
The testing machine's certificate of calibration is n°025-15F about Calibration centre LAT n° 34 with due data January 22th, 2015.
Test activities were carried out on November 30th, 2015.
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.

Padova, January 14th, 2016

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

Department Chief
(Prof. **Carlo Pellegrino**)

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Test Result

	Specimen	Max Load F_{max} [kN]	Stroke at F_{max} [mm]
Centred Load	H1_1	132.14	2.7
	H1_2	130.34	2.7
	H1_3	134.04	2.7
	H2_1	34.54	3.2
	H2_2	34.97	3.2
	H2_3	36.54	3.2
	H3_1	11.28	2.0
	H3_2	11.43	2.0
	H3_3	10.88	2.0

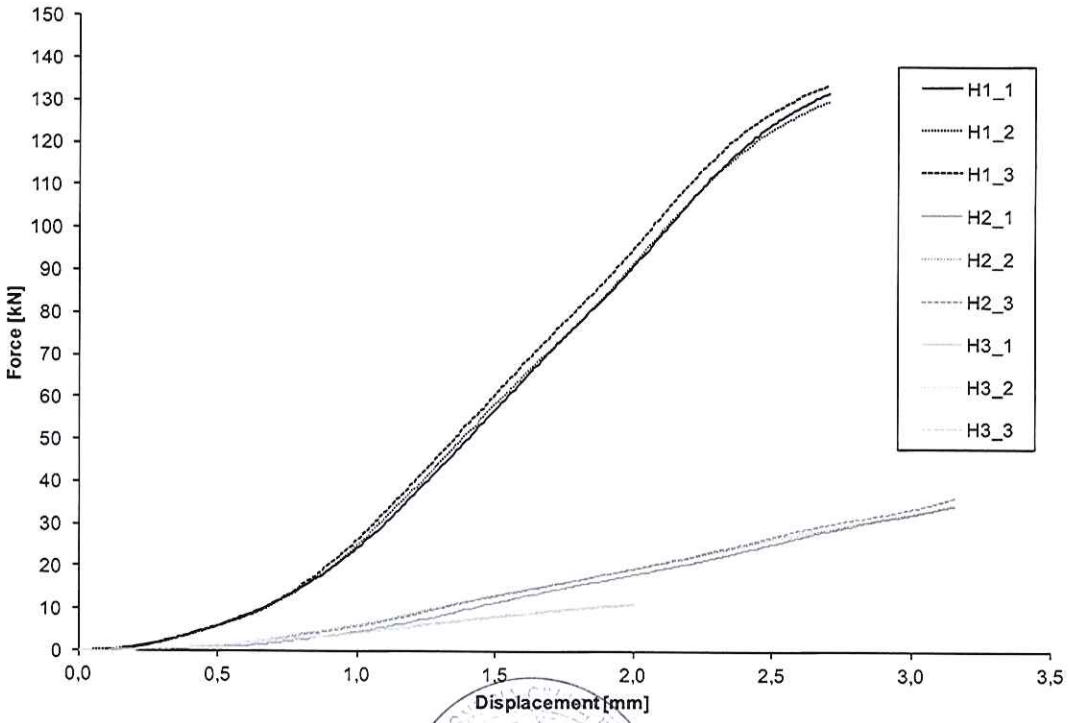

Figure 1 Diagram force versus displacement of testing machine's crossbar for "STAR.T" specimen with centred load.

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	Specimen	Max Load F_{max} [kN]	Stroke at F_{max} [mm]
Lateral Load	H1_ecc_1	58.05	1.8
	H1_ecc _2	57.50	1.8
	H1_ecc _3	55.93	1.8
	H2_ecc _1	20.10	3.0
	H2_ecc _2	21.33	3.0
	H2_ecc _3	20.42	3.0
	H3_ecc _1	7.83	2.0
	H3_ecc _2	6.81	1.7
	H3_ecc _3	6,67	1.7

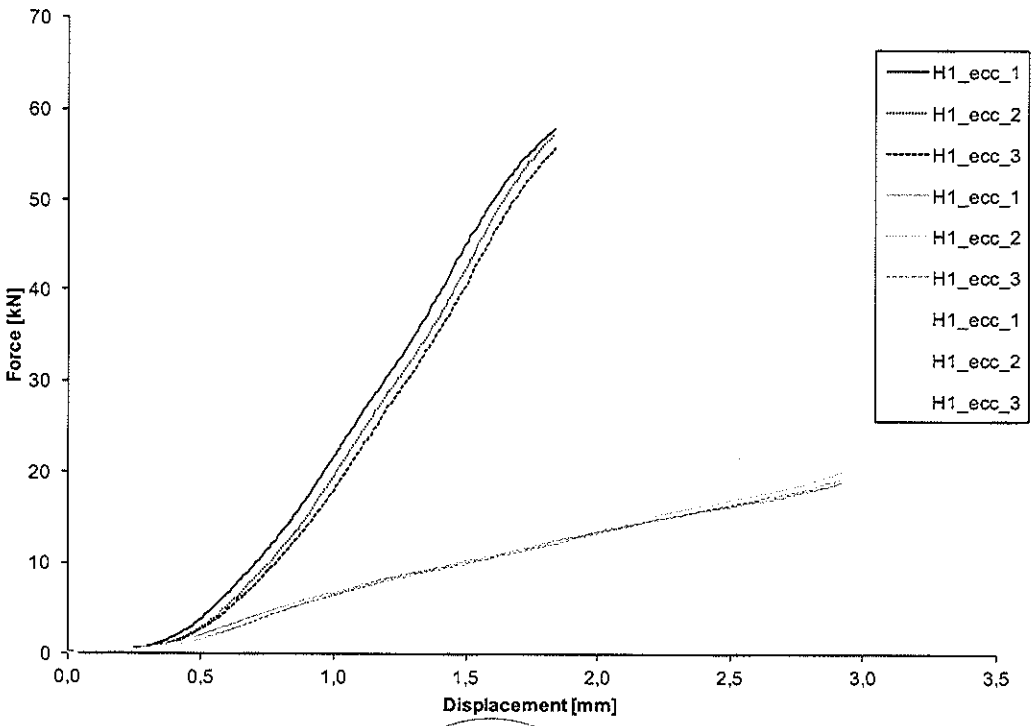

Figure 2 Diagram force versus displacement of testing machine's crossbar for "STAR.T" specimen with lateral load.

Padova, January 14th, 2016

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

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