

POLITECNICO DI MILANO



Laboratorio Prove Materiali - NB 1777 CPR

Notified Body 1777 – CPR

**CERTIFICATE OF CONSTANCY OF PERFORMANCE
1777 - CPR – 14.04**

In compliance with the Regulation (UE) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonized conditions for the marketing of construction products and repealing Council Directive 89/106/EEC, it has been stated that the construction product

Fluid Viscous Damper

with trade name

Reston SA Shock Absorber

velocity dependent devices, to use in building and civil engineering works where requirements on individual devices are critical

placed on the market by

Mageba S.A.

Solistrasse 68 , 8180 Bülach , Switzerland

and produced in the factory of

Factory P

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan. The notified body – Laboratorio Prove Materiali - Politecnico di Milano - has carried out an assessment of the performance of the construction product on the basis of testing (including sampling), calculation, tabulated values or descriptive documentation of the product and the initial inspection of the manufacturing plant and of the factory production control. The notified body – Laboratorio Prove Materiali - Politecnico di Milano performs the continuing surveillance, assessment and evaluation of factory production control.

This certificate attests that all provisions concerning the assessment of constancy of performance carried out in compliance with the Regulation (EU) No 305/2011 and subsequent amendments and additions, and the performances described in the Annex ZA of the standard

hEN 15129:2009

under AVCP System 1 were applied and that the product fulfills all the prescribed requirements.

This certificate was first issued on August 01, 2014 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the factory production control itself are not modified significantly.

The main characteristics of the product are reported in the Annex to this certificate.

Milan, July 27, 2015

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Laboratorio Prove Materiali
Politecnico di Milano
Piazza Leonardo da Vinci, 32
20133 Milano
Tel. 02 2399 4210
Fax 02 2399 4211
info@lpm.polimi.it
www.lpm.polimi.it


Prof. Ing. Carlo Poggi
Head of Certification Body



**Annex to Certificate of Constancy of Performance
no. 1777 – CPR – 14.04**

Mageba Reston SA product family

Description of the product

Mageba Reston SA is a device that provides an axial force in either tension or compression that depends on the imposed velocity only and complies with the constitutive law declared by the manufacturer over a velocity range extending at least two decades down from the maximum design level. The device is manufactured from ferrous materials and the active surface of the piston rod is hard chromium plated. The device is classified as Velocity Dependent in accordance with Table 1 of hEN 15129:2009.

The viscous fluid is Fluid A*

The temperature range is from -25°C to +50°C.

The intended use is in buildings and civil engineering works.

* appropriate certificates reporting the identification characteristics of the fluid are deposited at the notified body involved in the attestation of conformity procedure

Performance characteristics

Mageba Reston SA products meet the following requirements in accordance with hEN 15129:2009:

- pressure test, clause 7.4.2.2
- low velocity test, clause 7.4.2.3
- constitutive law test, clause 7.4.2.5
- damping efficiency test, clause 7.4.2.7
- wind load cyclic test, clause 7.4.2.8
- seal wear test, clause 7.4.2.9
- stroke verification test, clause 7.4.2.10.