



Notified Body 1777 – CPR

**CERTIFICATE OF CONSTANCY OF PERFORMANCE
1777 - CPR – 15.05**

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

Mechanical Fuse Restraint (MFRs)

with trade name

Reston Fuse Restraint 540

rigid connection devices, type mechanical fuse restraint, 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 approved and first released on 27 July 2015 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.



**Annex to Certificate of Constancy of Performance
no. 1777 – CPR – 15.05**

Mageba Reston Fuse Restraint 540

Description of the product

Mageba Reston Fuse Restraints impede any relative movements between connected parts below a certain pre-established force threshold (breakaway force), whereas they freely permit the movements after the aforesaid threshold has been exceeded.

The device is classified as Mechanical Fuse Restraints (MFRs) in accordance with Table 1 of hEN 15129:2009.

The device is manufactured from ferrous material* according to the relevant European Standard.

The intended use is in buildings and civil engineering works.

* appropriate certificates reporting the identification characteristics of the material are deposited at the notified body.

Performance characteristics

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

- service load test, clause 5.2.4.2
- fatigue test, clause 5.2.4.3
- break-away test, clause 5.2.4.4

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Type, identification and use

Mageba Reston Fuse Restraint 540 product type has been evaluated on the basis of the results reported below

Reston Fuse Restraint 540		
<i>Essential characteristics</i>	<i>Design value</i>	<i>Unit</i>
Resistance to seismic loads		
Design load	487	kN
Service load	536	kN
Durability		
Fatigue load	117.5	kN

According to Test Report no. 2013/1370

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

Mageba Reston Fuse Restraints products covered by the present Certificate of Constancy of Performance are manufactured with the same internal or external geometry, materials batch and kind of constraints.

Milan, 27 July 2015


Prof. Ing. Carlo Poggi
Head of Certification Body

**This Annex is only valid together with the
Certificate of Constancy of Performance no. 1777 – CPR – 15.05**