



POLITECNICO
MILANO 1863

Laboratorio Prove Materiali - NB 1777 CPR



PRD N° 0317

Notified Body 1777 - CPR

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

In compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to 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 under the name or trade mark of

mageba SA

Trafostrasse 1, 8180 Bülach, Switzerland

and produced in the manufacturing plant

Factory MaIT-PN

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 15129:2009

under System 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 27 July 2015 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

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

The present Certificate cancels and replaces the previous revision no.0 dated 27 July 2015.

Milan, 14 November 2024

Revision no. 1

Laboratorio Prove Materiali
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Firmato digitalmente
da: CARLO POGGI
Organizzazione:
POLITECNICO DI
MILANO/80057930150

Prof. Ing. Carlo Poggi
Head of Certification Body



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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.

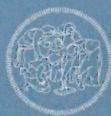
The intended use is in buildings and civil engineering works.

* 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	Conforming	
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, 14 November 2024

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MILANO/80057930150

Prof. Ing. Carlo Poggi
Head of Certification Body

The present Annex is only valid together with the
Certificate of Constancy of Performance no. 1777 – CPR – 15.05
rev.1 dated 14 November 2024

The present Annex cancels and replaces the previous Annex
rev. 0 dated 27 July 2015