

# Certificate of constancy of performance

No. 0672-CPR-0773

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(s) **Fluid Viscous Damper (FVD)**  
**with trade name**  
**mageba RESTON® SA**

placed on the market  
under the name or trade  
mark of **mageba sa**  
**Solistraße 68**  
**CH-8180 Bülach**  
**SWITZERLAND**

produced in the  
manufacturing plant(s) **Mageba (Shanghai) Bridge Products Co., Ltd.**  
**No. 388 BeiHuan Road, WuQiao Town, FengXiang District**  
**201402 Shanghai, China**

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

Annex ZA  
of the standard(s) **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 **2017-12-14** 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

This document has been translated for informative purpose only. Original version is issued in German. In any case of doubt the German version is valid.



Stuttgart, 2017-12-14

S. Geber

Dipl.-Ing. Siegfried Gerber  
Head of Certification Body



## Annex 1

to the certificate of constancy of performance No. 0672-CPR-0773

Main performances for the construction product

**Fluid Viscous Damper (FVD)**  
with trade name  
**mageba RESTON® SA 500-140**

according to EN 15129:2009, for use in buildings, bridges or civil engineering works where requirements on individual devices are critical.

This annex is valid for the following range:

Horizontal force	400 to 600	kN
Maximum velocity up to	100	mm/s
Construction and materials as type mageba RESTON® SA 500-140		

mageba RESTON® SA 500-140 main characteristics:

Max displacement $d_{max}$	$\pm 70$	mm
Constitutive law parameter C	1000	kN/(m/sec) <sup><math>\alpha</math></sup>
Exponent $\alpha$ of constitutive law parameter	0.3	-
Operating temperature	-86 to +80	°C

This Annex is only valid together with the certificate of constancy of performance 0672-CPR-0773 according EU-BauPVO.

Stuttgart, 2017-12-14



## Annex 2

to the certificate of constancy of performance No. 0672-CPR-0773

Main performances for the construction product

### Fluid Viscous Damper (FVD)

with trade name

### mageba RESTON® SA 1000-100

according to EN 15129:2009, for use in buildings, bridges or civil engineering works where requirements on individual devices are critical.

This annex is valid for the following range:

Horizontal force	800 to 1200	kN
Maximum velocity up to	200	mm/s
Construction and materials as type mageba RESTON® SA 1000-100		

mageba RESTON® SA 1000-100 main characteristics:

Max displacement $d_{\max}$	$\pm 50$	mm
Constitutive law parameter C	1000	$\text{kN}/(\text{m}/\text{sec})^\alpha$
Exponent $\alpha$ of constitutive law parameter	0.08	-
Operating temperature	-86 to +80	°C

This Annex is only valid together with the certificate of constancy of performance 0672-CPR-0773 according EU-BauPVO.

Stuttgart, 2017-12-14



### Annex 3

to the certificate of constancy of performance No. 0672-CPR-0773

Main performances for the construction product

#### Fluid Viscous Damper (FVD)

with trade name

#### mageba RESTON® SA 1500-400

according to EN 15129:2009, for use in buildings, bridges or civil engineering works where requirements on individual devices are critical.

This annex is valid for the following range:

Horizontal force	1200 to 1800	kN
Maximum velocity up to	400	mm/s
Construction and materials as type mageba RESTON® SA 1500-400		

mageba RESTON® SA 1500-400 main characteristics:

Max displacement $d_{\max}$	$\pm 200$	mm
Constitutive law parameter C	1800	$\text{kN}/(\text{m}/\text{sec})^\alpha$
Exponent $\alpha$ of constitutive law parameter	0.2	-
Operating temperature	-86 to +80	°C

This Annex is only valid together with the certificate of constancy of performance 0672-CPR-0773 according EU-BauPVO.

Stuttgart, 2017-12-14

