



**POLITECNICO**  
MILANO 1863

Laboratorio Prove Materiali - NB 1777 CPR

**Notified Body 1777 – CPR**

**CERTIFICATE OF CONSTANCY OF PERFORMANCE**  
**1777 - CPR – 16.01**

In compliance with Regulation (UE) 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 products

**TETRON pot bearings**

**ALGAPOT pot bearings**

to use in building and civil engineering works where requirements on individual bearings are critical,

placed on the market under the name or trade mark of

**FREYSSINET INTEERNATIONAL & CIE**  
**280 Avenue N. Bonaparte Cs 60002**  
**92506 Rueil Malmaison Cedex - France**

and produced in the manufacturing plants

**FPC ITALIA SpA - Via per Lungavilla 43, 27054 Montebello della Battaglia PV - Italy**

**CAVE Srl - Via Alessandria, 1, 20010 Canegrate MI - Italy**

**METABET CF SA - Str. Vladimirescu Tudor, 115 Arges - 110186 Pitesti – Romania**

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

**hEN 1337-5:2005**

under AVCP 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 8 July 2016 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 and the specific manufacturing sites are reported in the Annex to this certificate.

Milan, 21 September 2020

Revision n. 2

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Prof. Ing. Carlo Poggi  
Head of Certification Body



**Annex to Certificate of Constancy of Performance  
no. 1777 – CPR – 16.01**

**Freyssinet pot bearings product family  
TETRON pot bearings  
ALGAPOT pot bearing  
with elastomeric pad of compound 195020,  
and internal brass seal, or internal carbon filled PTFE seal,  
or internal stainless steel seal**

Description of the product

Fixed bearings, guided and free sliding bearings, types 2.1, 2.2 and 2.3 in accordance with EN 1337-1, with diameter of the elastomeric pad less than or equal to 1500 mm and accumulated sliding path of 1000 m (internal brass seal) / 2000 m (internal carbon filled PTFE seals / 500 m (internal stainless steel seals), for minimum operating temperature of -35° C as sliding bearings and -40° C as fixed bearing, for use in building and civil engineering works where requirements on individual bearings are critical.

Design of bearings carried out by:

ATLANTE Srl, Canegrate – Italy or  
FPC ITALIA Spa, Milano - Italy

Metallic parts produced and machining and assembly carried out in the factories of:

CAVE Srl, Canegrate – Italy or  
METABET CF SA, Pitesti – Romania

Elastomeric pad of compound 195020 produced in the factories of:

FPC RUBBER, Arquata Scrivia- Italy or  
RONERA RUBBER SA, Bascov – Romania

Corrosion protection system applied in the factories of:

CAVE Srl, Canegrate – Italy or  
METABET CF SA, Pitesti – Romania or  
METALSYSTEM Srl, Gavirate - Italy

Type, identification and use

TETRON and ALGAPOT pot bearings are evaluated on the basis of the results reported below

<i>Factors of Restoring Moment</i>	
F <sub>0</sub>	0.714 × 10 <sup>-2</sup>
F <sub>1</sub>	0.946
F <sub>2</sub>	0.888

according to Test Report no. 2007/1744



**ALGAPOT Pot bearings  
with elastomeric pad of compound NR50DIEL  
and internal brass seal**

Description of the product

Fixed bearings, guided and free sliding bearings, types 2.1, 2.2 and 2.3 in accordance with EN 1337-1, with diameter of the elastomeric pad less than or equal to 1000 mm and accumulated sliding path of 1000 m, for minimum operating temperature of -25°C, for use in building and civil engineering works where requirements on individual bearings are critical

Metallic parts produced in the factories of:

CAVE Srl, Canegrate – Italy or

METABET CF SA, Pitesti – Romania

Elastomeric pad of compound NR50DIEL produced in the factories of:

FPC RUBBER, Arquata Scrivia- Italy

Type, identification and use

ALGAPOT pot bearings are evaluated on the basis of the results reported below

<i>Factors of Restoring Moment</i>	
$F_0$	$0.913 \times 10^{-2}$
$F_1$	0.581
$F_2$	0.594

according to Test Report no. 2012/3396

Milan, 21 September 2020

Prof. Ing. Carlo Poggi  
Head of Certification Body

**This Annex is only valid together with the  
Certificate of Constancy of Performance no. 1777 – CPR – 16.01  
rev.2 dated 21 September 2020**