

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)  
Notified Body Nr. 0370

No.

**0370-CPR-2964**

In compliance with Regulation (EU) Nr. 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:

## STRUCTURAL BEARINGS. "POT" BEARINGS

BRAND: **VERDUPOT** **PF** – FIXED BEARING; **PM** – FREE BEARING; **PG** – GUIDED BEARING

Placed on the market under the name of:

## CAUCHO INDUSTRIAL VERDÚ, S.L.

POL. IND. SANTIAGO PAYÁ - C/ FILÀ BENIMERINS, 32  
03802 ALCOY (ALICANTE) SPAIN

And produced in the manufacturing plant:

POL. IND. SANTIAGO PAYÁ - C/ FILÀ BENIMERINS, 32  
03802 ALCOY (ALICANTE) SPAIN

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

### EN 1337-5:2005

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<sup>th</sup> April 2018 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is confirmed on 10<sup>th</sup> May 2024.

**The monitoring assessment will be done before 30<sup>th</sup> April 2025**

Bellaterra, 10<sup>th</sup> May 2024



  
LGAI Technological Center, S.A.

Xavier Ruiz Peña  
Managing Director, Product Conformity B.U.



*This document is not valid without its technical annex; whose number coincides with that of the certificate.*

*You can check the validity of this certificate on our website: [www.appluslaboratories.com/certified\\_products](http://www.appluslaboratories.com/certified_products)*

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility

## 0370-CPR-2964

Annex in accordance with **EN 1337-5:2005**

### STRUCTURAL BEARINGS. PART 5: "POT" BEARINGS

POT BEARINGS IN ACCORDANCE WITH A ZA.1a.  
 POT BEARINGS WITH SLIDING ELEMENTS IN ACCORDANCE WITH A ZA.1b  
 WORKING TEMPERATURE: -40°C TO 50°C  
 MAXIMUM DIMENSION OF THE ELASTOMER: 1500 mm  
 ELASTOMER: NR  
 NON-ALLOY STEEL, HOT-ROLLED  
 INTERNAL SEAL: BRASS  
 LUBRICANT: SILICONE GRASE  
 SLIDING ELEMENT: PTFE GUIDES: CM1

| REQUIREMENTS                                     |                                                               | CHAPTERS                             |                                                      | RESULT |  |
|--------------------------------------------------|---------------------------------------------------------------|--------------------------------------|------------------------------------------------------|--------|--|
| 1337-5 SECTIONS                                  |                                                               |                                      |                                                      |        |  |
| BEARING CAPACITY                                 | 4                                                             | Functional requirements              | Annex E: Long term rotation and load test            | NA     |  |
|                                                  |                                                               | Internal seals                       | Annex A                                              | PASS   |  |
|                                                  | 5                                                             | Materials                            |                                                      | PASS   |  |
|                                                  | 6.1.1                                                         | Principles of design calculation     | Design                                               | PASS   |  |
|                                                  | 6.2.3                                                         | Piston/POT contact                   |                                                      | PASS   |  |
|                                                  | 6.1.5                                                         | Load distribution through components |                                                      | PASS   |  |
|                                                  | 6.2.1.1                                                       | Contact stress                       |                                                      | PASS   |  |
|                                                  | 6.2.2                                                         | Design: POT                          |                                                      | PASS   |  |
| 1337-5 SECTIONS                                  |                                                               |                                      |                                                      |        |  |
| ROTATION CAPACITY                                | 4                                                             | Functional Requirements              | Annex E:                                             | NA     |  |
|                                                  | 6.1.1                                                         | Principles of design calculation     | Design<br>Annex D: Determination of restraint moment | PASS   |  |
|                                                  | 6.1.2                                                         | Rotation limitation                  |                                                      | PASS   |  |
|                                                  | 6.1.3                                                         | Restraint moments due to rotation    |                                                      | PASS   |  |
|                                                  | 6.2.1.2                                                       | Minimum thickness                    |                                                      | PASS   |  |
|                                                  | 6.2.4                                                         | Geometrical conditions               |                                                      | PASS   |  |
|                                                  | 7.3.1                                                         | Piston in POT                        | Manufacture and tolerances                           | PASS   |  |
|                                                  | 7.3.2                                                         | Elastomeric pad in POT               |                                                      | PASS   |  |
|                                                  | 7.4                                                           | Surface roughness                    |                                                      | PASS   |  |
|                                                  | 7.7                                                           | Lubrication                          |                                                      | PASS   |  |
| 1337-5 SECTIONS                                  |                                                               |                                      |                                                      |        |  |
| DURABILITY ASPECTS                               | 4.2                                                           | Durability tests                     | Annex E                                              | NA     |  |
|                                                  | 5                                                             | Materials                            |                                                      | PASS   |  |
|                                                  | 6.1.1                                                         | Principles of design calculation     | Design                                               | PASS   |  |
|                                                  | 6.1.2.3                                                       | Variable rotation                    |                                                      | NA     |  |
|                                                  | 7.5                                                           | Corrosion protection                 | 1337-9                                               | PASS   |  |
|                                                  | 7.6                                                           | Internal seals                       |                                                      | PASS   |  |
|                                                  | 7.8                                                           | Sharp edges                          |                                                      | PASS   |  |
|                                                  | 1337-9 SECTIONS                                               |                                      |                                                      |        |  |
|                                                  | 4                                                             | Corrosion protection                 |                                                      | PASS   |  |
| BEARING CAPACITY (OF THE SLIDING ELEMENT)        | EN 1337-2 sections 5, 6.2, 6.4, 6.6, 6.8, 6.9, 7.1, 7.2 and 9 |                                      |                                                      | PASS   |  |
| COEFFICIENT OF FRICTION (OF THE SLIDING ELEMENT) | EN 1337-2 sections 4, 5, 6.1, 6.5, 6.7, 7.5                   |                                      |                                                      | PASS   |  |
| DURABILITY ASPECTS (SLIDING ELEMENT)             | EN 1337-2 sections 7.3 and 7. 4                               |                                      |                                                      | PASS   |  |
|                                                  | EN 1337-9 section 4                                           |                                      |                                                      | PASS   |  |