

Declaration of Performance

No. 10.00001D310322-01

1. Unique identification code of the product-type:

PENETRON

2. Intended use/es:

Products and systems for the structural and non-structural protection and repair of concrete structures

3. Manufacturer:

PENETRON INTERNATIONAL LTD. / 601 South 10th Street, Unit 300 / Allentown, PA 18103 USA
Tel. +1(631) 941-9700 / Fax: +1(631) 941-9777 / Email: info@penetron.com

4. Authorized Representative:

PENETRON HELLAS S.A. / 50 Thrakomakedonon Av. / Acharnes, GR 13679 GREECE
Tel. (+30) 2102448250 / Fax: (+30) 2102476803 / Email: info@penetron.gr

5. System / AVCP:

System 2+ and System 4 (for uses subject to reaction to fire regulations)

- 6a. Harmonised Standard:

EN 1504-2:2004, EN 1504-7:2006 and EN1504-3:2005

Notified body:

EN 1504-2:2004 and EN 1504-7:2006 ICMQ S.P.A., Nr. 1305

EN1504-3:2005 OFI Technologie & Innovation GmbH, Nr. 1085

- 6b. European Assessment Document: **Not Applicable**

European Technical Assessment: **Not Applicable**

Technical Assessment Body: **Not Applicable**

Notified body: **Not Applicable**

7. Declared performances:

Essential characteristics	Performance	European Norm
Adhesive bond	R3 ($\geq 1,5$ MPa)	EN 1504-2
Permeability to water vapour	Class I < 5 m	
Capillary absorption and Permeability to water	$< 0,1$ kg/m ² ·h ^{0.5}	
Resistance to Severe Chemical attack	Class II $< 50\%$ reduction in hardness	
Compressive strength	R3 (≥ 25 MPa)	EN 1504-3
Chloride ion content	$< 0,05$ % by mass	
Adhesive bond	R3 ($\geq 1,5$ MPa)	
Restrained shrinkage, expanding	NPD	
Carbonation resistance	Deemed to have no corrosive effect	
Elastic modulus	NPD	
Thermal compatibility	NPD	
Reaction to fire	Class A1	
Dangerous substances	NPD	
Corrosion protection	Coated zones free from corrosion	EN 1504-7

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **The technical requirements and the performances of the products are documented at the Technical File of the products and at the Technical Brochures of the Company.**

The notified production control certification body, **OFI Technologie & Innovation GmbH, Nr. 1085**, performed the initial inspection of the manufacturing plant and the factory production control and the continuous surveillance, assessment and evaluation of the factory production control under system 2+ and issued a certificate of conformity of the factory production control with the number **1085-CPR-0040** according to **EN 1504-3:2005**.

The notified production control certification body, **ICMQ S.P.A., Nr. 1305**, performed the initial inspection of the manufacturing plant and the factory production control and the continuous surveillance, assessment and evaluation of the factory production control under system 2+ and issued a certificate of conformity of the factory production control with the number **1305-CPR-1390**, according to **EN 1504-2:2004** and **EN 1504-7:2006**.

The performance of the product, identified above, is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer:



Kyriakos Petrou
Mechanical Engineer MSc.
Technical Support – Head

PENETRON HELLAS S.A.
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PROTECTION SYSTEMS
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Nikos Frouzakis
Civil Engineer T.E.
Technical Sales – Head

Acharnes, Greece, March 31, 2022

(Signature)