

**DoP SLP-H4 nO 1488-CPR-0699/W**
**1. Unique product identification code:**

Torque controlled expansion anchor SLP-H4 M8,M10,M12,M16

**2. Intended use or uses:**

Product description	Intended use
Steel expansion anchors	Reinforced or unreinforced normal weight concrete of strength classes C20/25÷C50/60 according to EN 206 non-cracked and cracked concrete

**3. Manufacturer:** P.H. „HAMAR” Sp. J. B. I H. Grzesiak, ul. Hutnicza 7, 81-061 Gdynia

**4. System of assessment and verification of constancy of performance:** System 1

**5. European Assessment Document :** EAD 330232-00-0601

**European Technical Assessment** ETA-13/0422 issued : 05.12.2018

**Technical Assessment Body:** Instytut Techniki Budowlanej, ul. Filtrowa1, 00-611 Warszawa

**Notified Body no:** 1488 Certificate of constancy of performance 1488-CPR-0699/W

**6. Declared Performance:**
**Mechanical resistance and stability ( BWR1)**

Essential characteristic	Performance
Characteristic resistance for tension loads, displacements	Annex C1
Characteristic resistance for shear loads, displacements	Annex C2

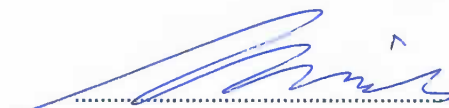
**Safety in case of the ( BWR2)**

Essential characteristic	Performance
Reaction to fire	Anchors safety requirements for Class A1
Resistance to fire	Annex C3 ÷ C5

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

Signed for and on behalf of the manufacturer by :

Gdynia, 11.12.2018



Bogusław Grzesiak, Partner