

**DECLARATION OF PERFORMANCE (DoP)**  
according to Construction Products Regulation (CPR) No 305/2011

**DoPNo. 07/0337(1803) - en**

1. Unique identification code of the product-type: **Multifunction frame plug MFR**
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
**ETA-07/0337 [from 06.03.2018], appendix A2, A3 and A4**  
**Batch number: see packaging of the product**
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

<b>Generic type</b>	Plastic anchor
<b>For use in</b>	Cracked and non-cracked concrete C12/15 – C50/60 (EN206) – “a” <i>for multiple fixing for non-structural applications</i> covered sizes: MFR 8, MFR 10 and MFR 14
	Precast prestressed hollow core slabs concrete $\geq$ C45/55, bottom flange thickness $\geq$ 35mm – “a” <i>for multiple fixing for non-structural applications</i> covered sizes: MFR 8 and MFR 10
	Masonry solid masonry and hollow or perforated masonry – “b, c” <i>for multiple fixing for non-structural applications</i> covered sizes: MFR 8, MFR 10 and MFR 14
	Non-cracked aerated concrete (AAC blocks) – “d” <i>for multiple fixing for non-structural applications</i> covered sizes: MFR 10 and MFR 14
<b>Option / Category</b>	a, b, c, d
<b>Loading</b>	Static and quasi-static
<b>Material</b>	Plug: <u>Polyamide PA6:</u> covered sizes:           MFR 8, length: $t_{fix\ max.} = 110\ mm$ MFR 10 and MFR 14, length: $t_{fix\ max.} = 1000\ mm$  Screw: <u>Zinc-plated steel:</u> dry internal conditions only covered sizes: $\varnothing 6: \leq 167\ mm, \varnothing 7: \leq 1075\ mm, \varnothing 10: \leq 1075\ mm$ <u>Stainless steel (marking A4):</u> Internal and external use without particular aggressive conditions covered sizes: $\varnothing 6: \leq 167\ mm, \varnothing 7: \leq 1075\ mm, \varnothing 10: \leq 1075\ mm$
<b>Temperature range if applicable</b>	a): -40°C to +40°C (max. long term temp. +24°C, max. short term temp. +40°C) b): -40°C to +80°C (max. long term temp. +50°C, max. short term temp. +80°C)

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

**Apolo MEA Befestigungssysteme GmbH**  
**Industriestrasse 6**  
**D – 86551 Aichach**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): --
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **system 2+**
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: --

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

**Deutsches Institut für Bautechnik (DIBt), Berlin**

issued:

**ETA-07/0337 [from 06.03.2018]**

on the basis of

**ETAG 020**

The notified body **0672** performed under **system 2+**:

- **initial inspection of factory and of factory production control,**
- **continuous surveillance, assessment and approval of factory production control.**

9. Declared performance:

Essential Characteristics	Design Method	Performance	Harmonized Technical Specification
Characteristic resistance for tension	ETAG 020 annex C	ETA-07/0337[from 06.03.2018], Annex C2, C4, C5, C6, C9.2	ETAG 020
Characteristic resistance for shear	ETAG 020 annex C	ETA-07/0337[from 06.03.2018], Annex C2, C4, C5, C6, C9.2	
Minimum spacing and minimum edge distance	ETAG 020 annex C	ETA-07/0337[from 06.03.2018], Annex B3, B4, B5	
Displacement for serviceability limit state	ETAG 020 annex C	ETA-07/0337[from 06.03.2018], Annex C3.1, C7, C8, C10	

Where pursuant to Article 37 or 38 in the Specific Technical Documentation has been used, the requirements with which the product complies: --

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

**Achim Ruppertz**

Marketing and Technical Manager

**Aichach, 03.04.2018**

