

EN

## DECLARATION OF PERFORMANCE

according to Annex III of the Regulation (EU) Nr. 305/2011 (Construction Products Regulation)

Hilti wood nail GX-WF [ $l_n$ ] x 2.8 D<sub>34</sub> galv  
No. Hilti-DX-DoP-102

**1. Unique identification code of the product-type:** Hilti wood nail GX-WF [ $l_n$ ] x 2.8 D<sub>34</sub> galv

**2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):** Type and lot number are displayed on the packaging

**3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:**

Intended use	Round cross-sectional smooth nails with straight shank for use in load-bearing timber structures
Diameter [mm]	2.8
Available lengths $l_n$ [mm]	51, 63, 70, 75, 80
Tensile loading	Medium term (<6 months)
Shear loading	Permanent (>10 years)

**4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):** Hilti Aktiengesellschaft, Business Unit Direct Fastening, 9494 Schaan, Fürstentum Liechtenstein

**5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):** n/a

**6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:** System 3

**7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:** VHT (1503) performed the third party tasks as set out in Annex V under system 3 and issued ITT PB-650-13-2.8-gl-vz in accordance with EN 14592:2008+A1

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

**9. Declared performance**

Essential characteristics	Declared performance	Harmonized Technical Specification
Characteristic Yield Moment $M_{y,k}$	2617 Nmm	EN 14592:2008+A1
Characteristic Withdrawal Parameter <sup>1,2</sup> $f_{ax,k}$	2.45 N/mm <sup>2</sup>	
Characteristic Head Pull Through Parameter <sup>1</sup> $f_{head,k}$	8.57 N/mm <sup>2</sup>	
Characteristic Tensile Capacity $f_{tens,k}$	NPD	
Durability	Service Class 2 (not directly exposed to weather) / Fe/Zn12c	

<sup>1</sup> Given for wood density of 350 kg/m<sup>3</sup>

<sup>2</sup> Withdrawal parameter determined on nails without resin coating. Resin type 3 applies.

**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:



**Tassilo Deinzer**  
Head of Business Unit Direct Fastening



**Norbert Wohlwend**  
Head of Quality Management BU Direct Fastening

Hilti Aktiengesellschaft, Schaan, 20.01.2014