



EN

## DECLARATION OF PERFORMANCE

according to Annex III of the Regulation (EU) Nr. 305/2011 (Construction Products Regulation)  
No. Hilti-DX-DoP-202

- 1. Unique identification code of the product-type:** Hilti wood nail GX-WF [ln] x 2.8 D 34 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 |
| 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)/ Testing Laboratory 1045.1 performed the third party tasks as set out in Annex V under system 3 and issued ITT in accordance with EN 14592:2008+A1:2012 (E).
- 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 standard |
|--|-------------------------------------|---------------------|
| <b>Material</b>  |                                     | EN 14592:2008+A1    |
| Characteristic strength of wire $f_u$                        | $\geq 600 \text{ N/mm}^2$           |                     |
| <b>Geometry</b>  |                                     |                     |
| Head cross-sectional area $A_h$                              | $29.40 \text{ mm}^2$                |                     |
| Diameter   | 2.8 mm                              |                     |
| Available length $l_n$                                       | 51, 63, 70, 75, 80 mm               |                     |
| Maximum point length $l_p$                                   | 4.6 mm                              |                     |
| <b>Mechanical strength and stiffness</b>                     |                                     |                     |
| Characteristic yield moment $M_{y,k}$                        | 3854 Nmm                            |                     |
| Characteristic withdrawal parameter $f_{ax,k}^{1), 2)}$      | $2.5 \text{ N/mm}^2$                |                     |
| Characteristic head pull-through parameter $f_{head,k}^{1)}$ | $21 \text{ N/mm}^2$                 |                     |
| Characteristic tensile capacity $f_{tens,k}$                 | NPD                                 |                     |
| Durability   | Service Class 2 acc. to EN 1995-1-1 |                     |

<sup>1)</sup> Timber with characteristic density  $\rho_k$  350 kg/m<sup>3</sup>, <sup>2)</sup> Coating type: 1

- 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:

A handwritten signature in blue ink, which appears to read "M. Grazioli". The signature is written in a cursive style with a long, vertical tail on the letter "i".

**Mario Grazioli**  
Head of Quality  
Business Unit Direct Fastening  
Hilti Aktiengesellschaft, Schaan, 12/2020