

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 3.1 RD 34 bright
No. Hilti-DX-DoP-119

- 1. Unique identification code of the product-type:** Hilti wood nail GX-WF [l_n] x 3.1 RD 34 bright
- 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 profiled nails with straight shank for use in load bearing timber structures |
| Diameter [mm] | 3.1 |
| Available lengths l_n [mm] | 70, 75, 80, 90 |
| Tensile loading | Permanent (>10 years) |
| 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-650-13-3.1-bk and ITT PB-650-13-3.1-D-Kopf 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 $M_{y,k}$ | 3320 Nmm | EN 14592:2008+A1 |
| Characteristic Withdrawal Parameter ^{1,2} $f_{ax,k}$ | 6.77 N/mm ² | |
| Characteristic Head Pull Through Parameter ¹ $f_{head,k}$ | 13.91 N/mm ² | |
| Characteristic Tensile Capacity $f_{tens,k}$ | NPD | |
| Durability | Service Class 1 (Protected from cold and damp) / no protection | |

¹ Given for wood density of 350 kg/m³

² 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, July 1, 2013