# WHX SELF-DRILLING BOARD SCREW 4.2mm ØD[1]
# DECLARATION OF PERFORMANCE
# REV. A

**DoP No.:** EVO-14566-0010-A

**Date of issue:** 13th November 2026

[1] ØD = nominal diameter of the product,



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# DECLARATION OF PERFORMANCE
# No. EVO-14566-0010-A

## 1. UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE

WHX32,
WHX42,
WHX60,
WHX80,
WHX100.

The product-type is described in Table 01. All harmonised technical specification (hEN) clauses refer to those in EN 14566:2008+A1:2009 unless noted otherwise.

**Table 01: Product-type description**

| Property | Declared value | hEN clause(s) |
|---|---|---|
| Fastener type | Plasterboard screw, self-drilling point (type D) | 3.1.2; 4.4.3.3 |
| Head form and drive | Double countersunk head with four nibs; Phillips No. 2 recess | Descriptive only |
| Thread form | Evolution universal thread | Descriptive only |
| Point | Self-drilling point (TEK 2); drilling capacity 0.6 mm to 2.5 mm steel | 4.4.3.3 |
| Parent material and specification | Carbon steel; SAE C1022; case hardened | 4.4.3.1 |
| Corrosion protection coating | EvoShield® 1,000HR | 4.4.1 |
| Nominal diameter, *d* | 4.2 mm | Descriptive only |
| Length, $l_{nom}$ | 32.0, 42.0, 60.0, 80.0 and 100.0 mm | 4.4.3.4 |
| Dimensions and tolerances | Manufacturer's technical drawing EVO-TD-DW-CB-0117 | 4.4.3.4 |



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## 2. INTENDED USE

Mechanical fasteners for gypsum plasterboard systems, as set out in EN 14566:2008+A1:2009, clause 1 and Annex ZA: plasterboard screws for the fixing of gypsum plasterboards, gypsum boards with fibrous reinforcement, products from secondary processing and suitable ancillary products to timber and metal in building construction works, for the construction of the framing and for fixing boards together.

Use foreseen by the manufacturer within that scope: fixing dense boards to timber framing and to metal framing 0.6 mm to 2.5 mm thick.



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## 3. MANUFACTURER

**Evolution Fasteners (UK) Ltd**
Clyde Gateway Trade Park
Dalmarnock Road
Glasgow
G73 1AN
United Kingdom



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## 4. AUTHORISED REPRESENTATIVE

Authorised representatives established within the Union, each holding a mandate covering the tasks specified in Article 12(2) of Regulation (EU) No 305/2011:

**Evolution Fasteners (IE) Ltd**
Finglas Business Centre
Jamestown Road
Finglas
Dublin 11
Ireland

**Evolution Fasteners (NL) B.V.**
Pastoorslaan 57
2182 BW Hillegom
Netherlands



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## 5. SYSTEM OF AVCP

System 4, as set out in Annex V of Regulation (EU) No 305/2011, applicable to mechanical fasteners for gypsum plasterboard systems (EN 14566:2008+A1:2009, Annex ZA).



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## 6(A). HARMONISED STANDARD

| | |
|---|---|
| **Harmonised standard:** | EN 14566:2008+A1:2009, *Mechanical fasteners for gypsum plasterboard systems - Definitions, requirements and test methods*. |
| **Notified body:** | Not applicable. Under System 4 the manufacturer carries out the determination of the product-type and operates factory production control; no notified body is involved. |

## 6(B). EUROPEAN ASSESSMENT DOCUMENT

Not applicable.



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## 7. DECLARED PERFORMANCES

The declared performances for the intended use given in section 2 are given in Table 02. All harmonised technical specification (hEN) clauses refer to those in EN 14566:2008+A1:2009 unless noted otherwise.

**Table 02: Declared performances**

| Essential characteristic | Performance (value and unit) | hEN clause |
|---|---|---|
| **Essential characteristics** | | |
| Reaction to fire[2] | Class A1 | 4.1 |
| Flexural strength (bending behaviour)[3] | Pass | 4.2 |
| Release of dangerous substances | NPD[4] | 4.3 |
| **Additional requirements** | | |
| Protective treatment[5] | Class 96 | 4.4.1 |
| Materials and manufacture | Carbon steel SAE C1022 | 4.4.3.1 |
| Withdrawal force[6] | ≥ 450 N: Pass | 4.4.3.2 |
| Point[7] | Self-drilling (type D): Pass | 4.4.3.3 |
| Length | As Table 01: Pass | 4.4.3.4 |
| Hardness[8] | ≥ 55 HRC: Pass | 4.4.3.5 |

The declared performances are based on type testing carried out by the manufacturer under System 4 and are carried forward from Declaration of Performance No. 07DW-22-A, which this declaration supersedes for the product-type described in Table 01. The declared performances apply only to that product-type.

[2] Steel fasteners are classified A1 (EN 13501-1) without testing; in accordance with 4.1, an organic coating has no influence on the classification of the system,
[3] Tested in accordance with 5.5: no fastener showed signs of breakage or cracking,
[4] No performance determined,
[5] Coating other than zinc, tested in accordance with EN ISO 9227. Class 96 (no visible rusting after 96 hours) is the highest class in Table 2,
[6] Tested in accordance with 5.4,
[7] Penetration of steel sheet up to 2 mm thick in not more than 4 s, tested in accordance with 5.6,
[8] Case hardened to a minimum depth of 0.05 mm; hardness to EN ISO 6508-1,



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## 8. APPROPRIATE TECHNICAL DOCUMENTATION AND/OR SPECIFIC TECHNICAL DOCUMENTATION

Not applicable.



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## 9. AUTHORISATION STATEMENT

**THE PERFORMANCE OF THE PRODUCT IDENTIFIED ABOVE IS IN CONFORMITY WITH THE SET OF DECLARED PERFORMANCES. THIS DECLARATION OF PERFORMANCE IS ISSUED, IN ACCORDANCE WITH REGULATION (EU) NO 305/2011, UNDER THE SOLE RESPONSIBILITY OF THE MANUFACTURER IDENTIFIED ABOVE.**

Signed for and on behalf of the manufacturer by:



**EUR ING Ryan Murphy (Chartered Engineer)**
**TECHNICAL DIRECTOR**
At Glasgow, United Kingdom on 13th November 2026



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## 10. REVISION HISTORY

| Table 03: Revision history | | | |
|---|---|---|---|
| **Rev. No.** | **Comment(s)** | **Auth'd** | **Date** |
| A | Original issue. | RM | 13 Nov 26 |
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