

Declaration of Performance

TechFast Window Screw - Baypole Screw Self-drilling

Document Number:
DOPTF1119

1. Unique identification code of the product-type:

TechFast Window Screw - Baypole Screw Self-drilling

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Head: Wafer. Recess: Torx. Full Thread. Material 10B21

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

For joining bay window and other metal reinforced PVCu sections

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

ForgeFix Ltd. Galleon Blvd, Crossways Bus. Park, Dartford, Kent DA2 6QE, UK.

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

Tucks Fasteners Ltd. Century Bus. Park, 10 St Margaret's Rd, Dublin, D11 TN80, IE.

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

AVCP System 4

7. Harmonised / Designated standard:

EN 14566:2008+A1:2009

8. Notified body/ies:

Notified Body: N/A

European Technical Assessment: N/A

9. Declared performance/s:

TechFast Window Screw Baypole Screw Self-drilling - Flexural Strength Test

Size	Sample Screw No.	Breakage or Cracking
4.8mm	1-50	Pass

Summary: Pass: 50 pcs Fail: 0 pcs

TechFast Window Screw Baypole Screw Self-drilling - Withdrawal Test 4.8mm

No.	Withdrawal Force	No.	Withdrawal Force	No.	Withdrawal Force	No	Withdrawal Force
1	653N	14	660N	27	659N	40	660N
2	705N	15	678N	28	658N	41	671N
3	710N	16	660N	29	660N	42	653N
4	690N	17	703N	30	685N	43	706N
5	653N	18	653N	31	653N	44	699N
6	677N	19	668N	32	691N	45	668N
7	653N	20	658N	33	687N	46	685N
8	680N	21	653N	34	653N	47	673N
9	711N	22	681N	35	681N	48	663N
10	676N	23	680N	36	670N	49	679N
11	688N	24	653N	37	674N	50	674N
12	653N	25	684N	38	658N		
13	666N	26	667N	39	677N		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS

TechFast Window Screw Baypole Screw Self-drilling - Point Test (Drilling Performance) 4.8mm

No.	Drilling Time	No.	Drilling Time	No.	Drilling Time	No	Drilling Time
1	2.31s	14	2.31s	27	2.66s	40	2.68s
2	2.69s	15	2.69s	28	2.31s	41	2.20s
3	2.55s	16	2.65s	29	2.53s	42	2.65s
4	2.69s	17	2.64s	30	2.45s	43	2.54s
5	2.57s	18	2.57s	31	2.53s	44	2.68s
6	2.69s	19	2.70s	32	2.31s	45	2.67s
7	2.53s	20	2.54s	33	2.57s	46	2.68s
8	2.46s	21	2.57s	34	2.48s	47	2.35s
9	2.69s	22	2.64s	35	2.62s	48	2.45s
10	2.71s	23	2.53s	36	2.45s	49	2.68s
11	2.70s	24	2.51s	37	2.55s	50	2.38s
12	2.65s	25	2.58s	38	2.70s		
13	2.69s	26	2.66s	39	2.69s		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS

TechFast Window Screw Baypole Screw Self-drilling - Length Test (Dimension Measurement) 4.8 x 60mm

No.	Length	No.	Length	No.	Length	No	Length
1	59.64mm	14	58.64mm	27	59.42mm	40	59.44mm
2	59.42mm	15	59.53mm	28	59.36mm	41	59.35mm
3	59.71mm	16	59.63mm	29	59.81mm	42	59.68mm
4	59.14mm	17	59.55mm	30	59.16mm	43	59.36mm
5	59.2mm	18	59.25mm	31	59.29mm	44	59.28mm
6	59.34mm	19	59.37mm	32	59.38mm	45	59.35mm
7	59.35mm	20	59.35mm	33	59.34mm	46	59.34mm
8	59.5mm	21	59.58mm	34	59.55mm	47	59.62mm
9	58.9mm	22	58.91mm	35	58.92mm	48	58.99mm
10	59.15mm	23	59.16mm	36	59.18mm	49	59.12mm
11	59.19mm	24	59.25mm	37	59.11mm	50	59.20mm
12	59.3mm	25	59.32mm	38	59.49mm		
13	59.36mm	26	59.31mm	39	59.53mm		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS

TechFast Window Screw Baypole Screw Self-drilling - Hardness Test 4.8mm

No.	Hardness	No.	Hardness	No.	Hardness	No	Hardness
1	58.4 HRC	14	59.9 HRC	27	58.9 HRC	40	55.8 HRC
2	60.0 HRC	15	58.2 HRC	28	57.1 HRC	41	57.8 HRC
3	58.5 HRC	16	59.9 HRC	29	58.5 HRC	42	57.7 HRC
4	58.7 HRC	17	57.9 HRC	30	57.2 HRC	43	58.9 HRC
5	57.8 HRC	18	59.9 HRC	31	58.0 HRC	44	56.7 HRC
6	56.9 HRC	19	57.8 HRC	32	57.2 HRC	45	57.9 HRC
7	58.7 HRC	20	57.9 HRC	33	59.4 HRC	46	56.9 HRC
8	57.9 HRC	21	57.1 HRC	34	58.3 HRC	47	57.8 HRC
9	57.8 HRC	22	57.8 HRC	35	58.7 HRC	48	57.8 HRC
10	57.1 HRC	23	57.5 HRC	36	57.9 HRC	49	57.5 HRC
11	58.0 HRC	24	58.9 HRC	37	56.8 HRC	50	58.3 HRC
12	57.2 HRC	25	58.9 HRC	38	58.1 HRC		
13	58.5 HRC	26	58.6 HRC	39	57.2 HRC		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS

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:

ForgeFix Ltd.

Place of issue:

ForgeFix Ltd. Galleon Blvd, Crossways Bus. Park, Dartford, Kent DA2 6QE, UK.

Date of issue:

01/01/2021

Name:

Anthony Armitt

Position:

Commercial Director

Signature:

A handwritten signature in black ink, appearing to read 'A. Armitt', is positioned below the printed name and position.