

## Declaration of Performance

### TechFast Window Screw - Countersunk Single Thread

Document Number:  
DOPTF919

1. Unique identification code of the product-type:

TechFast Window Screw - Countersunk Single Thread

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

Head: Countersunk. Recess: Torx. Full/Partial 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 window/door frame construction and hardware fixing in PVCu

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 Countersunk Single Thread - Flexural Strength Test

Size	Sample Screw No.	Breakage or Cracking
4.3mm	1-50	Pass
4.8mm	1-50	Pass

Summary: Pass: 50 pcs Fail: 0 pcs

## TechFast Window Screw Countersunk Single Thread - Withdrawal Test 4.3mm

No.	Withdrawal Force	No.	Withdrawal Force	No.	Withdrawal Force	No	Withdrawal Force
1	642N	14	637N	27	638N	40	612N
2	637N	15	635N	28	633N	41	638N
3	644N	16	642N	29	634N	42	611N
4	598N	17	629N	30	635N	43	625N
5	632N	18	628N	31	635N	44	638N
6	637N	19	627N	32	633N	45	633N
7	628N	20	622N	33	630N	46	635N
8	640N	21	635N	34	642N	47	642N
9	622N	22	631N	35	629N	48	630N
10	628N	23	627N	36	631N	49	635N
11	637N	24	628N	37	631N	50	626N
12	633N	25	622N	38	628N		
13	634N	26	629N	39	612N		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS

## TechFast Window Screw Countersunk Single Thread - Withdrawal Test 4.8mm

No.	Withdrawal Force	No.	Withdrawal Force	No.	Withdrawal Force	No	Withdrawal Force
1	642N	14	637N	27	638N	40	612N
2	637N	15	635N	28	633N	41	638N
3	644N	16	642N	29	634N	42	611N
4	598N	17	629N	30	635N	43	625N
5	632N	18	628N	31	635N	44	638N
6	637N	19	627N	32	633N	45	633N
7	628N	20	622N	33	630N	46	635N
8	640N	21	635N	34	642N	47	642N
9	622N	22	631N	35	629N	48	630N
10	628N	23	627N	36	631N	49	635N
11	637N	24	628N	37	631N	50	626N
12	633N	25	622N	38	628N		
13	634N	26	629N	39	612N		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS



## TechFast Window Screw Countersunk Single Thread - Point Test (Drilling Performance) 4.3mm

No.	Drilling Time	No.	Drilling Time	No.	Drilling Time	No	Drilling Time
1	0.41s	14	0.49s	27	0.62s	40	0.67s
2	0.61s	15	0.76s	28	0.63s	41	0.62s
3	0.59s	16	0.65s	29	0.68s	42	0.72s
4	0.66s	17	0.66s	30	0.61s	43	0.73s
5	0.71s	18	0.74s	31	0.69s	44	0.71s
6	0.65s	19	0.72s	32	0.62s	45	0.60s
7	0.64s	20	0.73s	33	0.72s	46	0.59s
8	0.62s	21	0.71s	34	0.73s	47	0.65s
9	0.63s	22	0.75s	35	0.71s	48	0.64s
10	0.68s	23	0.47s	36	0.75s	49	0.62s
11	0.61s	24	0.45s	37	0.47s	50	0.63s
12	0.69s	25	0.50s	38	0.72s		
13	0.62s	26	0.45s	39	0.50s		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS

## TechFast Window Screw Countersunk Single Thread - Point Test (Drilling Performance) 4.8mm

No.	Drilling Time	No.	Drilling Time	No.	Drilling Time	No	Drilling Time
1	0.45s	14	0.60s	27	0.54s	40	0.58s
2	0.45s	15	0.57s	28	0.55s	41	0.47s
3	0.44s	16	0.47s	29	0.64s	42	0.49s
4	0.43s	17	0.47s	30	0.47s	43	0.48s
5	0.41s	18	0.50s	31	0.47s	44	0.44s
6	0.40s	19	0.57s	32	0.44s	45	0.43s
7	0.48s	20	0.54s	33	0.45s	46	0.46s
8	0.47s	21	0.52s	34	0.46s	47	0.49s
9	0.48s	22	0.57s	35	0.48s	48	0.51s
10	0.58s	23	0.54s	36	0.52s	49	0.59s
11	0.67s	24	0.45s	37	0.49s	50	0.57s
12	0.48s	25	0.46s	38	0.54s		
13	0.47s	26	0.48s	39	0.64s		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS

### TechFast Window Screw Countersunk Single Thread - Length Test ( Dimension Measurement) 4.3 x 35mm

No.	Length	No.	Length	No.	Length	No	Length
1	34.5mm	14	35.1mm	27	35.3mm	40	35.2mm
2	35.4mm	15	35.2mm	28	35.1mm	41	35.3mm
3	34.8mm	16	34.9mm	29	35.4mm	42	35.1mm
4	35.0mm	17	34.8mm	30	35.0mm	43	35.1mm
5	35.7mm	18	34.9mm	31	35.4mm	44	35.3mm
6	35.1mm	19	34.7mm	32	35.2mm	45	35.1mm
7	34.8mm	20	35.1mm	33	34.9mm	46	35.5mm
8	34.7mm	21	35.1mm	34	34.7mm	47	35.1mm
9	34.4mm	22	34.9mm	35	34.8mm	48	35.2mm
10	34.8mm	23	34.9mm	36	34.8mm	49	35.5mm
11	35.5mm	24	35.2mm	37	34.9mm	50	35.0mm
12	35.4mm	25	35.4mm	38	34.7mm		
13	35.4mm	26	35.1mm	39	35.1mm		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS

### TechFast Window Screw Countersunk Single Thread - Length Test ( Dimension Measurement) 4.8 x 38mm

No.	Length	No.	Length	No.	Length	No	Length
1	37.60mm	14	37.45mm	27	37.88mm	40	37.56mm
2	37.65mm	15	37.58mm	28	37.78mm	41	37.61mm
3	37.89mm	16	37.89mm	29	37.89mm	42	37.68mm
4	38.10mm	17	37.58mm	30	37.56mm	43	37.85mm
5	38.00mm	18	37.89mm	31	37.78mm	44	37.89mm
6	37.58mm	19	37.79mm	32	37.68mm	45	37.85mm
7	38.10mm	20	37.48mm	33	38.12mm	46	38.12mm
8	38.45mm	21	37.58mm	34	38.18mm	47	37.58mm
9	37.70mm	22	37.68mm	35	37.89mm	48	37.49mm
10	38.58mm	23	37.89mm	36	37.74mm	49	37.56mm
11	38.56mm	24	37.91mm	37	37.48mm	50	37.54mm
12	37.89mm	25	38.56mm	38	37.52mm		
13	36.68mm	26	37.54mm	39	37.59mm		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS



### TechFast Window Screw Countersunk Single Thread - Hardness Test 4.3mm

No.	Hardness	No.	Hardness	No.	Hardness	No	Hardness
1	58.9 HRC	14	62.7 HRC	27	57.8 HRC	40	62.8 HRC
2	57.5 HRC	15	63.8 HRC	28	61.7 HRC	41	64.5 HRC
3	61.2 HRC	16	61.1 HRC	29	63.5 HRC	42	62.4 HRC
4	56.0 HRC	17	58.5 HRC	30	64.5 HRC	43	58.9 HRC
5	57.8 HRC	18	59.4 HRC	31	59.7 HRC	44	59.4 HRC
6	59.5 HRC	19	61.1 HRC	32	58.6 HRC	45	57.7 HRC
7	59.1 HRC	20	57.9 HRC	33	61.2 HRC	46	58.2 HRC
8	61.8 HRC	21	58.6 HRC	34	57.5 HRC	47	64.7 HRC
9	64.4 HRC	22	59.2 HRC	35	65.7 HRC	48	62.5 HRC
10	63.2 HRC	23	63.8 HRC	36	55.9 HRC	49	66.1 HRC
11	65.1 HRC	24	64.9 HRC	37	57.2 HRC	50	63.2 HRC
12	59.8 HRC	25	61.8 HRC	38	58.8 HRC		
13	61.5 HRC	26	67.8 HRC	39	59.7 HRC		

Summary: Pass: 50 pcs Fail: 0 pcs

Test Result: PASS

### TechFast Window Screw Countersunk Single Thread - Hardness Test 4.8mm

No.	Hardness	No.	Hardness	No.	Hardness	No	Hardness
1	55.3 HRC	14	56.1 HRC	27	55.9 HRC	40	58.1 HRC
2	55.6 HRC	15	56.5 HRC	28	56.1 HRC	41	56.4 HRC
3	57.4 HRC	16	56.9 HRC	29	56.0 HRC	42	56.7 HRC
4	57.1 HRC	17	58.8 HRC	30	56.5 HRC	43	56.9 HRC
5	56.1 HRC	18	56.2 HRC	31	56.2 HRC	44	56.4 HRC
6	55.9 HRC	19	57.8 HRC	32	57.2 HRC	45	56.2 HRC
7	58.7 HRC	20	55.8 HRC	33	55.4 HRC	46	56.4 HRC
8	55.8 HRC	21	55.7 HRC	34	55.9 HRC	47	57.3 HRC
9	57.8 HRC	22	57.4 HRC	35	56.7 HRC	48	56.5 HRC
10	56.3 HRC	23	58.7 HRC	36	55.4 HRC	49	56.1 HRC
11	56.1 HRC	24	57.4 HRC	37	56.9 HRC	50	56.2 HRC
12	56.2 HRC	25	55.9 HRC	38	57.8 HRC		
13	55.7 HRC	26	57.8 HRC	39	56.6 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.