

Declaration of Performance

TechFast Sheet to Steel Roofing & Cladding Screw

Document Number:
DOPTF119

1. Unique identification code of the product-type:

TechFast Sheet to Steel Roofing & Cladding Screw

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

Head: Hex. 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:

Developed for the roofing and cladding sector

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 Sheet to Steel Roofing & Cladding Screw - Flexural Strength Test

Size	Sample Screw No.	Breakage or Cracking
5.5mm	1-50	Pass
6.3mm	1-50	Pass

Summary : Pass: 50 pcs Fail: 0 pcs

TechFast Sheet to Steel Roofing & Cladding Screw - Withdrawal Test 5.5mm

No.	Withdrawal Force	No.	Withdrawal Force	No.	Withdrawal Force	No	Withdrawal Force
1	634N	14	637N	27	640N	40	632N
2	673N	15	638N	28	670N	41	635N
3	634N	16	668N	29	668N	42	650N
4	659N	17	667N	30	669N	43	655N
5	638N	18	665N	31	634N	44	666N
6	640N	19	661N	32	633N	45	657N
7	645N	20	638N	33	625N	46	658N
8	643N	21	640N	34	631N	47	667N
9	639N	22	658N	35	659N	48	668N
10	641N	23	660N	36	680N	49	662N
11	638N	24	671N	37	670N	50	673N
12	650N	25	675N	38	633N		
13	637N	26	639N	39	631N		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Sheet to Steel Roofing & Cladding Screw - Withdrawal Test 6.3mm

No.	Withdrawal Force	No.	Withdrawal Force	No.	Withdrawal Force	No	Withdrawal Force
1	987N	14	986N	27	988N	40	1002N
2	992N	15	995N	28	965N	41	997N
3	1010N	16	975N	29	985N	42	961N
4	1025N	17	966N	30	1014N	43	955N
5	999N	18	986N	31	974N	44	979N
6	975N	19	971N	32	961N	45	988N
7	983N	20	992N	33	999N	46	963N
8	994N	21	975N	34	972N	47	953N
9	1011N	22	963N	35	986N	48	987N
10	968N	23	1019N	36	966N	49	964N
11	992N	24	997N	37	977N	50	1010N
12	1025N	25	1022N	38	985N		
13	975N	26	1001N	39	996N		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Sheet to Steel Roofing & Cladding Screw - Point Test (Drilling Performance Test) 5.5mm

No.	Drilling Time	No.	Drilling Time	No.	Drilling Time	No	Drilling Time
1	2.32s	14	2.32s	27	2.49s	40	2.56s
2	2.37s	15	2.58s	28	2.18s	41	2.17s
3	2.11s	16	2.57s	29	2.31s	42	2.31s
4	2.15s	17	2.45s	30	2.32s	43	2.24s
5	2.18s	18	2.23s	31	2.44s	44	2.25s
6	2.23s	19	2.15s	32	2.36s	45	2.51s
7	2.25s	20	2.14s	33	2.18s	46	2.61s
8	2.41s	21	2.13s	34	2.59s	47	2.41s
9	2.11s	22	2.25s	35	2.41s	48	2.15s
10	2.52s	23	2.57s	36	2.40s	49	2.58s
11	2.21s	24	2.28s	37	2.29s	50	2.29s
12	2.34s	25	2.45s	38	2.51s		
13	2.51s	26	2.61s	39	2.45s		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Sheet to Steel Roofing & Cladding Screw - Point Test (Drilling Performance Test) 6.3mm

No.	Drilling Time	No.	Drilling Time	No.	Drilling Time	No	Drilling Time
1	1.94s	14	1.98s	27	2.11s	40	2.14s
2	2.16s	15	1.97s	28	2.05s	41	2.11s
3	2.08s	16	1.97s	29	2.08s	42	2.06s
4	2.16s	17	2.01s	30	2.14s	43	1.98s
5	1.96s	18	2.00s	31	2.09s	44	2.05s
6	1.97s	19	2.15s	32	2.98s	45	2.16s
7	2.01s	20	2.11s	33	2.03s	46	1.95s
8	2.02s	21	2.13s	34	2.07s	47	1.99s
9	1.99s	22	2.02s	35	2.15s	48	1.94s
10	2.16s	23	1.99s	36	2.10s	49	2.15s
11	2.15s	24	2.08s	37	1.97s	50	2.01s
12	2.14s	25	2.15s	38	1.98s		
13	2.12s	26	2.00s	39	1.94s		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Sheet to Steel Roofing & Cladding Screw - Length Test (Dimension Measurement) 5.5 x 105mm

No.	Length	No.	Length	No.	Length	No	Length
1	105.68mm	14	104.99mm	27	104.99mm	40	105.45mm
2	105.12mm	15	105.98mm	28	105.12mm	41	105.46mm
3	105.78mm	16	105.99mm	29	105.55mm	42	105.78mm
4	105.10mm	17	105.88mm	30	105.12mm	43	105.46mm
5	105.20mm	18	105.78mm	31	105.89mm	44	105.33mm
6	104.98mm	19	105.55mm	32	105.78mm	45	105.21mm
7	104.99mm	20	105.82mm	33	105.88mm	46	105.81mm
8	105.78mm	21	105.38mm	34	105.78mm	47	105.01mm
9	104.99mm	22	105.22mm	35	105.55mm	48	105.03mm
10	104.88mm	23	105.89mm	36	105.79mm	49	105.05mm
11	105.78mm	24	105.32mm	37	105.46mm	50	105.55mm
12	105.69mm	25	105.78mm	38	105.89mm		
13	104.99mm	26	104.98mm	39	105.78mm		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Sheet to Steel Roofing & Cladding Screw - Length Test (Dimension Measurement) 6.3 x 110mm

No.	Length	No.	Length	No.	Length	No	Length
1	109.26mm	14	110.55mm	27	110.52mm	40	109.52mm
2	111.00mm	15	109.56mm	28	110.88mm	41	108.93mm
3	108.79mm	16	109.88mm	29	110.95mm	42	110.45mm
4	109.52mm	17	109.63mm	30	110.64mm	43	111.02mm
5	110.52mm	18	108.99mm	31	109.99mm	44	110.54mm
6	111.03mm	19	110.58mm	32	109.54mm	45	110.55mm
7	110.55mm	20	111.22mm	33	109.63mm	46	110.58mm
8	109.55mm	21	110.97mm	34	109.45mm	47	110.45mm
9	109.57mm	22	110.99mm	35	110.25mm	48	110.33mm
10	109.55mm	23	111.00mm	36	110.98mm	49	110.54mm
11	110.25mm	24	109.54mm	37	110.45mm	50	110.75mm
12	110.96mm	25	109.64mm	38	110.85mm		
13	111.20mm	26	110.08mm	39	109.99mm		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Sheet to Steel Roofing & Cladding Screw - Hardness Test 5.5mm

No.	Hardness	No.	Hardness	No.	Hardness	No	Hardness
1	58.4 HRC	14	58.9 HRC	27	58.6 HRC	40	58.0 HRC
2	58.7 HRC	15	57.2 HRC	28	58.5 HRC	41	57.9 HRC
3	58.2 HRC	16	59.9 HRC	29	58.0 HRC	42	57.9 HRC
4	58.5 HRC	17	58.7 HRC	30	57.1 HRC	43	58.8 HRC
5	57.8 HRC	18	58.6 HRC	31	58.0 HRC	44	56.8 HRC
6	56.6 HRC	19	57.6 HRC	32	57.2 HRC	45	57.0 HRC
7	58.8 HRC	20	56.8 HRC	33	56.8 HRC	46	56.6 HRC
8	55.3 HRC	21	57.1 HRC	34	58.7 HRC	47	57.1 HRC
9	57.2 HRC	22	56.8 HRC	35	57.7 HRC	48	57.6 HRC
10	56.9 HRC	23	58.8 HRC	36	56.6 HRC	49	57.1 HRC
11	57.6 HRC	24	56.9 HRC	37	56.9 HRC	50	57.9 HRC
12	56.2 HRC	25	58.8 HRC	38	57.1 HRC		
13	56.5 HRC	26	58.7 HRC	39	56.2 HRC		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Sheet to Steel Roofing & Cladding Screw - Hardness Test 6.3mm

No.	Hardness	No.	Hardness	No.	Hardness	No	Hardness
1	58.1 HRC	14	60.8 HRC	27	60.2 HRC	40	61.2 HRC
2	60.1 HRC	15	58.9 HRC	28	58.3 HRC	41	57.8 HRC
3	59.2 HRC	16	58.7 HRC	29	57.3 HRC	42	61.2 HRC
4	59.3 HRC	17	57.8 HRC	30	61.2 HRC	43	61.3 HRC
5	61.3 HRC	18	56.8 HRC	31	60.5 HRC	44	60.8 HRC
6	59.2 HRC	19	57.9 HRC	32	58.8 HRC	45	58.9 HRC
7	61.2 HRC	20	60.2 HRC	33	59.4 HRC	46	59.9 HRC
8	58.7 HRC	21	58.9 HRC	34	58.4 HRC	47	60.0 HRC
9	58.9 HRC	22	56.0 HRC	35	57.8 HRC	48	58.9 HRC
10	58.2 HRC	23	56.2 HRC	36	58.8 HRC	49	56.8 HRC
11	59.1 HRC	24	58.1 HRC	37	58.9 HRC	50	57.7 HRC
12	60.1 HRC	25	59.2 HRC	38	59.6 HRC		
13	60.9 HRC	26	58.1 HRC	39	59.8 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.