

TEST CERTIFICATE

PULL OUT TESTING IN ACCORDANCE WITH THE CLIENT'S SPECIFICATION



On behalf of on behalf of Buttonfix Limited,
Unit A, 1 Britton Street,
London, EC1M 5NW.

PULL OUT TESTING

UNIT 4 POOLE HALL BUSINESS PARK, ELLESMERE PORT, CH66 1UA

TEST DESCRIPTION: A series of pull-out tests were carried out on a Buttonfix Bonded VHB products. The 10mm 'Foamex' PVC board was bonded using a J-Tape 2106 double sided VHB acrylic adhesive mounting tape. The testing was carried out using a calibrated hydraulic ram and handpump. The fixing was loaded at an angle of 85 degrees from the horizontal, the load was manually applied at a steady rate. All testing was carried out to the client's specification and complete at the STS-UK Testing Laboratory.

REF NO.: DR-5354
JOB NO.: P10068
CERTIFICATE NO.: IC10255

DATE TESTED: 14th June 2021
CERTIFICATE DATE: 16th June 2021
SUPPLIER/SOURCE: Buttonfix Limited

TEST DETAILS:

Product Tested: Button Attachment
Target Load: Failure
Test Location: STS-UK Testing Lab
Test Number: One - Three

Item Condition: New
Ambient Temperature: 20°C
Procedure or Method: n/a

TEST RESULTS:

Test Sample	Description	Failure Load (kN)	Comments
1	Single fixing -FP1	1.44	Failure occurred on adhesive surface
2	Single fixing -FP2	1.74	Failure occurred on adhesive surface
3	Single fixing -FP3	1.42	Failure occurred on adhesive surface

ANALYSIS:

All results for each of the three tests can be found in the table above. The three tests failed at a range of 1.44kN to 1.74kN, giving an average pull out force of 1.53kN (156.02 kg).

For Specialist Technical Services (U.K) Limited			The results found on this Certificate relate only to the product[s] tested as described above. This Test Certificate shall <u>not</u> be reproduced except in full. QC: TC001 – Test Certificate – v2.0
Approved By:	Andrew Gore		
Position:	Technical Director		
Signature:			

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TEST CERTIFICATE

SHEAR TESTING IN ACCORDANCE WITH THE CLIENT'S SPECIFICATION



On behalf of on behalf of Buttonfix Limited,
Unit A, 1 Britton Street,
London, EC1M 5NW.

SHEAR TESTING

UNIT 4 POOLE HALL BUSINESS PARK, ELLESMERE PORT, CH66 1UA

TEST DESCRIPTION: A series of shear tests were carried out on a Buttonfix Bonded VHB products. The 10mm 'Foamex' PVC board was bonded using a J-Tape 2106 double sided VHB acrylic adhesive mounting tape. The testing was carried out using a calibrated hydraulic ram and handpump. The fixing was loaded parallel to the horizontal to induce a shear load on the fixing, the load was manually applied at a steady rate. All testing was carried out to the client's specification and complete at the STS-UK Testing Laboratory.

REF NO.:	DR-5354	DATE TESTED:	14 th June 2021
JOB NO.:	P10068	CERTIFICATE DATE:	16 th June 2021
CERTIFICATE NO.:	IC10256	SUPPLIER/SOURCE:	Buttonfix Limited

TEST DETAILS:

Product Tested:	Button Attachment	Item Condition:	New
Target Load:	Failure	Ambient Temperature:	20°C
Test Location:	STS-UK Testing Lab	Procedure or Method:	n/a
Test Number:	Four - Six		

TEST RESULTS:

Test Sample	Description	Failure Load (kN)	Comments
4	Double fixing - FP1	2.71	Failure occurred on adhesive surface
5	Double fixing - FP2	2.70	Failure occurred on adhesive surface
6	Double fixing - FP3	2.77	Failure occurred on adhesive surface

ANALYSIS:

All results for each of the three tests can be found in the table above. The three tests failed at a range of 2.70kN to 2.77kN, giving an average pull out force of 2.73kN (278.38 kg).

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Approved By:	Andrew Gore		
Position:	Technical Director		
Signature:			

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TEST CERTIFICATE

SHEAR TESTING IN ACCORDANCE WITH THE CLIENT'S SPECIFICATION



On behalf of on behalf of Buttonfix Limited,
Unit A, 1 Britton Street,
London, EC1M 5NW.

SHEAR TESTING

UNIT 4 POOLE HALL BUSINESS PARK, ELLESMERE PORT, CH66 1UA

TEST DESCRIPTION: A series of shear tests were carried out on a Buttonfix Rebated and Bonded VHB products. The 10mm 'Foamex' PVC board was bonded using a J-Tape 2106 double sided VHB acrylic adhesive mounting tape. The testing was carried out using a calibrated hydraulic ram and handpump. The fixing was loaded parallel to the horizontal to induce a shear load on the fixing, the load was manually applied at a steady rate. All testing was carried out to the client's specification and complete at the STS-UK Testing Laboratory.

REF NO.: DR-5354
JOB NO.: P10068
CERTIFICATE NO.: IC10257

DATE TESTED: 14th June 2021
CERTIFICATE DATE: 16th June 2021
SUPPLIER/SOURCE: Buttonfix Limited

TEST DETAILS:

Product Tested: Button Attachment
Target Load: Failure
Test Location: STS-UK Testing Lab
Test Number: Seven - Nine

Item Condition: New
Ambient Temperature: 20°C
Procedure or Method: n/a

TEST RESULTS:

Test Sample	Description	Failure Load (kN)	Comments
4	Double fixing - FP1-R	5.60	Failure occurred on plastic housing
5	Double fixing - FP2-R	5.36	Failure occurred on plastic housing
6	Double fixing - FP3-R	5.57	Failure occurred on plastic housing

ANALYSIS:

All results for each of the three tests can be found in the table above. The three tests failed at a range of 5.36kN to 5.60kN, giving an average pull out force of 5.51kN (561.86 kg).

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Position:	Technical Director		
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