

TEST REPORT No.: INZ64255-01

Client: Fastmount Limited
Order No.: TBD
Sample Description: Standard Profile Range
Identification: As listed below
Material Specification: Acetal copolymer
Tested in accordance with: Client instruction

Test: SGS NZ was engaged by the client to carry out pull-out tests on the Fastmount PC-DC1 female plastic anchor to determine ultimate load capacity.

Method: The plastic clip was subjected to a pull-out test in various substrates. The pull-out load was applied in two configurations in each substrate (Fig 1), through the PC-F1A and PC-VMX clip set installed to the PC-DC1 anchor and directly to the PC-DC1 anchor.

Test Conditions - 23 + 2°C, r.h 50 + 10%
Sensors - QuantumX MX440A s/n 0009E5006E8F
100kg load cell s/n 31237521
5t load cell s/n 31169512

Results:

Substrate	Load Application Configuration	Test #	Ultimate Pull-out Load (kg)	Comments
Plasterboard	PC-DC1 anchor through PC-F1A/PC-VMX clip set	1	25.4	In test #2, PC-DC1 anchor slightly pull out of plasterboard before PC-VMZ pulled out. Refer to figure 3
		2	21.5	
		3	23.7	
	Average		23.5	
	PC-DC1 anchor	4	47.7	
		5	41.8	
6		41.8		
Average		43.8		
Concrete	PC-DC1 anchor through PC-F1A/PC-VMX clip set	7	20.2	
		8	24.0	
		9	22.9	
	Average		22.4	
	PC-DC1 anchor	10	81.3	
		11	67.3	
12		159.1		
Average		102.6		

Acceptance Criteria: Report findings

Tested by: G. Schoutens

Reviewed by: L. Siasoco

Authorised by: G. Schoutens

Date: 28-Sep-18

Date: 1-Oct-18

Date: 1-Oct-18



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 14 days only.

TEST REPORT No.: INZ64255-01



Figure 1 - PC-DC1 anchor installed in both plasterboard and concrete.
Right photo shows the PC-F1A/PC-VMX clip set.



Figure 2 - Typical test setup and pull-out failures.

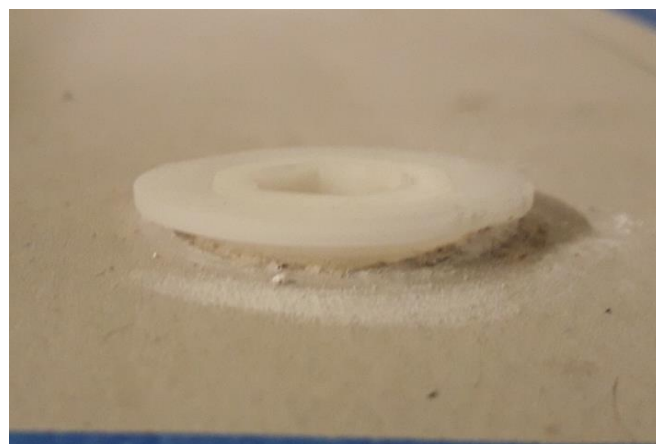


Figure 3 - Slight pull out of PC-DC1 anchor under clip set test.