

TEST REPORT

TEST SUMMARY

Objective

Assessment of supplied sample to ASTM D4541-02

Project

Evaluation ACTFLEX 988 CWP to ASTM D4541-02

Report Number

250.1-1 ASTM D4541-02

Customer

NAME	James Gilto
ADDRESS	22/872 Canterbury Road, Roselands 2196 NSW Sydney
CONTACT PERSON	James Gilto
EMAIL	admin@actechpc.com.au
TELEPHONE	0424424178

Description of test specimen

2-part cementitious acrylic polymer waterproofing

Testing Facility and Location

NAME	XTec Gen Pty Ltd
ADDRESS	30-32 Park Avenue Woodville North 5012
ABN	22634729294

LIMITATION

The test results reported here relate only to the items tested.

CUSTOMER SUPPLIED INFORMATION & DATA

Apply 2 coats of ACTFLEX 988 CWP to the clean PVC panel. Allow 7 days curing.

Lightly sand substrate prior to application of sample.

Wet film thickness per coat: 1mm per coat

Expected Dry Film thickness: 0.6mm per coat

"This report shall not be reproduced except in full without prior approval of XTec Gen Laboratories"

Report number	Issue Date	Expiry Date
250.1-1 ASTM D4541	6/12/2023	6/12/2026

TEST REPORT

TERMS AND CONDITIONS

This report is issued in accordance with the Terms and Conditions as detailed and agreed in the *XTecGen Test Request and Sample Submission Form*.

SIGNATORIES



Author

Michael Bakanyozo

Head Laboratory Technician



Reviewer

Eric Scardigno

Laboratory Manager

"This report shall not be reproduced except in full without prior approval of XTec Gen Laboratories"

Report number	Issue Date	Expiry Date
250.1-1 ASTM D4541	6/12/2023	6/12/2026

TEST REPORT

SUMMARY OF TESTS

ASTM D4541 Requirements:

PROPERTY	METHOD	RESULT
Adhesion of ACTFLEX 988 CWP coating on PVC Panel	ASTM D4541-02	1.44mpa

"This report shall not be reproduced except in full without prior approval of XTec Gen Laboratories"

Report number	Issue Date	Expiry Date
250.1-1 ASTM D4541	6/12/2023	6/12/2026

TEST REPORT

ADHESION: PVC panel substrate overlayed with ACTFLEX 988 CWP

Date of test: 29/11/2023

Testing:

Testing carried out in accordance with ASTM D4541-02

Additions, deviations and/or exclusions from ASTM D4541:

Nil

Test Parameters:

PARAMETER	VALUE	
General Nature of Test	Determination of pull-off strength	
Curing Temperature	23.9-24.8°C	
Curing Humidity (%RH)	41.7-44.6 %RH	
Test Temperature (°C)	24.2°C	
Test Humidity (%RH)	50.0%RH	
Test Instrument	Equipment Register Number	AMTE022A
	Manufacturer	DeFelsko
	Model Number	PosiTest AT/M
	Bearing Ring Type	Ball bearing
	Bearing Ring Dimensions	15.0mm
Dolly	Type (Z)	DeFelsko spherical headed, 20mm diameter
	Dimensions (mm ²)	314mm ²
Test System:	Substrate Description (A)	PVC panel
	Substrate (A) Thickness (mm)	1.38mm
	Coating layer 1 Description (B)	Actflex 988 CWP
	Date Coating Layer 1 (B) applied to substrate	14/11/2023

"This report shall not be reproduced except in full without prior approval of XTec Gen Laboratories"

Report number
250.1-1 ASTM D4541

Issue Date
6/12/2023

Expiry Date
6/12/2026

TEST REPORT

	Coating layer 2 Description (B)	Actflex 988 CWP
	Date Coating Layer 2 (B) applied to substrate	15/11/2023
	Dolly Adhesive Description (Y)	Araldite Super Strength 2-part epoxy adhesive
	Date Dolly Adhesive (Y) applied to top coating	27/11/2023
	Date Dolly (Z) applied to dolly adhesive (Y)	27/11/2023
Location of Test	XTec Gen Laboratory, Woodville North, South Australia	
Testing Agent	XTec Gen Laboratory	

Test Results:

DATE OF TEST	TEST RESULT (Mpa)	FAILURE MODE	LOCATION OF FAILURE
29/11/2023	1.26	Complete substrate	A
29/11/2023	1.47	Complete substrate	A
29/11/2023	1.59	Complete Substrate	A
29/11/2023	1.39	Complete substrate	A
Mean	1.44		
Standard Deviation	0.17		

Result: 1.44Mpa

Test Observations:

All four (4) dollies demonstrated Complete substrate failure.

"This report shall not be reproduced except in full without prior approval of XTec Gen Laboratories"

Report number	Issue Date	Expiry Date
250.1-1 ASTM D4541	6/12/2023	6/12/2026

TEST REPORT

END OF REPORT

"This report shall not be reproduced except in full without prior approval of XTec Gen Laboratories"

Report number	Issue Date	Expiry Date
250.1-1 ASTM D4541	6/12/2023	6/12/2026