

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	FORSPEC Protective Coatings
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

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250.1-1 ASTM D4541	6/12/2023	6/12/2026

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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

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SUMMARY OF TESTS

ASTM D4541 Requirements:

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

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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

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	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.

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END OF REPORT

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