TEST REPORT

Accredited for compliance with ISO/IEC 17025 – Testing
20678

TEST SUMMARY

Objective

Assessment of* supplied sample *to ASTM D4541

Project

Evaluation of Actflex 989 CWP applied on PVC panel to ASTM D4541

Report Number

577-1 ASTM D4541

Customer

NAME	Forspec Protective Coatings
ADDRESS	22/972 Canterbury Rd, Roselands 2196
CONTACT PERSON	James Gilto
EMAIL	james@forspec.com.au
MOBILE	0424 424 178

Name of test material

Actflex 989 CWP on PVC panel

Description of test material

N/A

Date of receipt of test material

16/03/2026

TEST REPORT

Accredited for compliance with ISO/IEC 17025 – Testing
20678

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

System supplied by client

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	Reviewer
Michael Bakanyozo	*Ruby Scardigno*
Quality Manager	*Head Laboratory Technician*

SUMMARY OF TESTS

ASTM D4541 Requirements:

PROPERTY	METHOD	RESULT
Actflex 989 CWP applied on PVC panel	*ASTM D4541* Annex A5: Self-alignment adhesion tester type V	0.53Mpa

ADHESION: Actflex 989 CWP applied on PVC panel

Date of test: 1/04/2026

Testing:

Testing carried out in accordance with ASTM D4541 Annex A5: Self-alignment adhesion tester type V

Additions, deviations and/or exclusions from ASTM D4541:

Nil

Test Parameters:

PARAMETER	VALUE	
General Nature of Test	Determination of pull-off strength	
Curing Temperature	Dry film supplied by client	
Curing Humidity (%RH)	Dry film supplied by client	
Test Temperature (°C)	23.6°C	
Test Humidity (%RH)	51.6%RH	
Test Instrument	Equipment Register Number	AMTE022A
	Calibration Date	3/04/2025
	Manufacturer	Proceq
	Model Number	DY-206
	Bearing Ring Type	Ball bearing
	Bearing Ring Dimensions	15.0mm
Dolly	Type (Z)	Square dolly 50mmx50mm
	Dimensions (mm^2)	2500mm^2
Test System:	Substrate Description (A)	System supplied by Forspec
	Substrate (A) Thickness (mm)	System supplied by Forspec
	Coating layer 1 Description (B)	Actflex 989 CWP - supplied by Forspec

	Date Coating Layer 1 (B) applied to substrate	System supplied by Forspec
	Coating layer 2 Description (B)	Actflex 989 CWP - supplied by Forspec
	Date Coating Layer 2 (B) applied to substrate	System supplied by Forspec
	Dolly Adhesive Description (Y)	Araldite Super Strength 2-part epoxy adhesive
	Date Dolly Adhesive (Y) applied to top coating	31/03/2026
	Date Dolly (Z) applied to dolly adhesive (Y)	31/03/2026
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
1/04/2026	0.49	Mixed cohesive and adhesive	50% B / 50% Y
1/04/2026	0.55	Mixed cohesive and adhesive	80% B / 20% Y
1/04/2026	0.54	Mixed cohesive and adhesive	90% B / 10% Y
Mean	0.53		
Standard Deviation	0.03		

Result: 0.53Mpa

Test Observations:

All three (3) dollies demonstrated a combination of adhesive and cohesive failures. Dollie 1 had a combination of 50% cohesive and 50% adhesive failure. Dollie 2 had a combination of 80% cohesive and 20% adhesive failure. Dollie 3 had a combination of 90% cohesive and 10% adhesive failure.

END OF REPORT