

# TEST REPORT



Accredited for compliance with ISO/IEC 17025 – Testing  
20678

## TEST SUMMARY

### Objective

**Assessment of ACTFLEX 906, ACTFLEX 929 to ASTM C794**

### Project

**Evaluation of ACTFLEX 906, ACTFLEX 929 to ASTM C794**

Report Number

**278-1 ASTM C794-18**

### Customer

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

### Name of test material

ACTFLEX 906, ACTFLEX 929

### Description of test material

Water based Polyurethane, Moisture cure Solvent based Polyurethane

### Date of receipt of test material

26/06/2023

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

Report number	Issue Date	Expiry Date
<b>278-1 ASTM C794</b>	<b>6/12/2023</b>	<b>6/12/2026</b>

# TEST REPORT



WORLD RECOGNISED  
ACCREDITATION

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

Actflex 250 primer applied to concrete substrate followed by 2 coats of Actflex 906 at 0.85mm WFT per coat (24 hrs between coats, 3 days cure after second coat). 2 coats of Actflex 929 SPU to cured Actflex 906 at 0.75mm per coat (24hrs between coats, 48 hours cure after final coat).

## 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 X Tec Gen Laboratories"*

**Report number**  
**278-1 ASTM C794**

**Issue Date**  
**6/12/2023**

**Expiry Date**  
**6/12/2026**

# TEST REPORT



Accredited for compliance with ISO/IEC 17025 – Testing  
20678

## SUMMARY OF TEST

PROPERTY	METHOD	RESULT	ASSESSMENT CRITERIA	ASSESSMENT
Bond Strength	ASTM C794	<b>37.18N</b>	State result	

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

<b>Report number</b>	<b>Issue Date</b>	<b>Expiry Date</b>
278-1 ASTM C794	6/12/2023	6/12/2026

# TEST REPORT



Accredited for compliance with ISO/IEC 17025 – Testing  
20678

## BOND STRENGTH

Date of test: 22/11/2023

Testing:

Testing carried out in accordance with ASTM C794.

Additions, deviations and/or exclusions from ASTM C794:

Nil

Specimen Preparation:

PARAMETER	VALUE
Substrate	Concrete
Substrate preparation	Followed instructions per sample submission form
Substrate primer	ACTFLEX EP 250 primer
Mesh preparation	Wiped with damp cloth
Mesh primer	N/A

Test Results:

READING	PEAK PEEL FORCE (N)	MODE OF FAILURE			
		SUBSTRATE FAILURE (%)	ADHESIVE FAILURE (%)	COHESIVE FAILURE (%)	SCREEN DELAMINATION (%)
Specimen 1 Reading 1	62.76	0	0	0	100
Specimen 1 Reading 2	29.30	0	0	0	100
Specimen 1 Reading 3	27.61	0	0	0	100
Specimen 1 Reading 4	24.62	0	0	0	100
Specimen 2 Reading 1	64.39	0	0	0	100

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

**Report number**  
278-1 ASTM C794

**Issue Date**  
6/12/2023

**Expiry Date**  
6/12/2026

# TEST REPORT



Accredited for compliance with ISO/IEC 17025 – Testing  
20678

Specimen 2 Reading 2	22.14	0	0	0	100
Specimen 2 Reading 3	34.12	0	0	0	100
Specimen 2 Reading 4	27.75	0	0	0	100
Specimen 3 Reading 1	27.41	100	0	0	0
Specimen 3 Reading 2	39.22	95	0	5	0
Specimen 3 Reading 3	47.53	95	0	5	0
Specimen 3 Reading 4	39.31	95	0	5	0
Average	37.18				
Std Dev	14.28				

**Result: 37.18N**

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

**Report number**  
278-1 ASTM C794

**Issue Date**  
6/12/2023

**Expiry Date**  
6/12/2026

# TEST REPORT



Accredited for compliance with ISO/IEC 17025 – Testing  
20678



Figure 1: ASTM C794 images of sample post-test

END OF REPORT

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

---

**Report number**  
278-1 ASTM C794

**Issue Date**  
6/12/2023

**Expiry Date**  
6/12/2026

---