





# **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

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Laboratories"

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





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### 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 (24 hrs 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**

AB

Michael Bakanyozo

Author

Reviewer

Eric Scardigno

Laboratory Manager

Head Laboratory Technician

	Laboratories"	
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# SUMMARY OF TEST

PROPERTY	METHOD	RESULT	ASSESSMENT CRITERIA	ASSESSMENT
Bond Strength	ASTM C794	37.18N	State result	

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# 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	MODE OF FAILURE			
	(N)	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

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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

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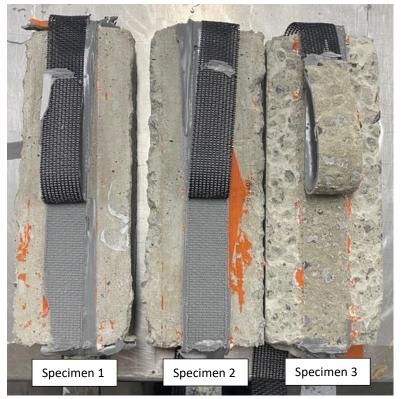


Figure 1: ASTM C794 images of sample post-test

# END OF REPORT

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