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	FORSPEC Protective Coatings
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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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

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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 (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

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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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