TEST REPORT

Accredited for compliance with ISO/IEC 17025 – Testing
20678

TEST SUMMARY

Objective

Assessment of supplied system to AS ISO 13007.5

Project

Evaluation of ACTFLEX 989 to AS ISO 13007.5

Report Number

568-2 AS ISO 13007.5

Customer

NAME	Forspec Protective Coatings
ADDRESS	22/872 Canterbury Road, Roselands 2196
CONTACT PERSON	James Gilto
EMAIL	james@forspec.com.au
TELEPHONE	0424 424 178
MOBILE	02 8021 3517

Name of test material

ACTFLEX 989 bonded to ACTFLEX Bioset

Description of test material

Cementitious waterproofing membrane

Date of receipt of test material

18/02/2026

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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

N/A

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

Eric Scardigno

Laboratory manager



Reviewer

Phil Scardigno

Director

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Test Summary:

AS ISO 13007.5 Fundamental Requirements:

Characteristic	METHOD	RESULT	ASSESSMENT CRITERIA	ASSESSMENT
Initial tensile adhesion strength	A.6.2	**0.82N/mm²**	≥0.5 N/mm²	**Pass**
Initial tensile adhesion strength after heat ageing	A.6.5	**0.86N/mm²**	≥0.5 N/mm2	**Pass**
Initial tensile adhesion strength after contact with lime water	A.6.9	**0.63N/mm²**	≥0.5 N/mm2	**Pass**
Waterproofing (water impermeability)	A.7	**1.87g**	No Visual Penetration below membrane and ≤20g weight gain	**Pass**
Crack Bridging ability under standard conditions	A.8.2	**0.89 mm**	≥0.75mm	**Pass**

Classification and designation of liquid-applied waterproofing membrane:

Symbol		Description
Type	**Class**	This product did not meet the requirements of the fundamental characteristics
-	-	

Failure Modes:

ST – At the substrate

WM – At the membrane bonded to the adhesive

TA – At the tile adhesive (or cohesive within the tile adhesive)

CT – At the ceramic tile

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EA – At the epoxy adhesive bonded the ceramic tile to the dolly

Initial Tensile Adhesion Strength

Testing:

Test carried out in accordance with AS ISO 13007.5 A.6.2

Additions, deviations and/or exclusions from AS ISO 13007.5 A.6.2:

Nil

Sample Preparation:

PARAMETER	VALUE
Ambient Temperature (conditioning) 28 days	21.5-23.2°C
Ambient temperature (testing)	22.8°C
Ambient humidity (testing)	47.6% RH

Test Results:

Test Date: 16/04/2026

	Width	**Length**	**Area**	**N/mm²**	**Failure Mode**
Mean	50mm	50mm	2500mm²	**0.82N/mm²**	TA

Failure Mode: TA

Requirements: ≥0.5N/mm²

Result: **0.82N/mm²** **PASS**

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Tensile Adhesion Strength After Heat Ageing

Testing:

Test carried out in accordance with AS ISO 13007.5 A.6.5

Additions, deviations and/or exclusions from AS ISO 13007.5 A.6.5:

Nil

Sample Preparation:

PARAMETER	VALUE
Ambient Temperature (conditioning) 14 days	21.5-23.2°C
Heat Ageing (conditioning) 14 days	70 °C
Ambient temperature (testing)	23.5°C
Ambient humidity (testing)	51.8% RH

Test Results:

Test Date: 17/04/2026

	Width	**Length**	**Area**	**N/mm²**	**Failure Mode**
Mean	50mm	50mm	2500mm²	**0.86N/mm²**	TA

Failure Mode: TA

Requirements: ≥0.5N/mm²

Result: **0.86N/mm²** **PASS**

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Tensile Adhesion Strength After Contact with Lime Water

Testing:

Test carried out in accordance with AS ISO 13007.5 A.6.9

Additions, deviations and/or exclusions from AS ISO 13007.5 A.6.9:

Nil

Sample Preparation:

PARAMETER	VALUE
Ambient Temperature (conditioning) 28 days	21.5-23.2°C
Lime Water Immersion (conditioning) 7 days	40 °C
Ambient temperature (testing)	22.8 °C
Ambient humidity (testing)	42.8%RH

Test Results:

Test Date: 22/05/2026

	Width	**Length**	**Area**	**N/mm²**	**Failure Mode**
Mean	50mm	50mm	2500mm²	**0.63N/mm²**	TA

Failure Mode: TA

Requirements: ≥0.5N/mm²

Result: **0.63N/mm²** **PASS**

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Water Impermeability

Testing:

Test carried out in accordance with AS ISO 13007.5 A.7.

Additions, deviations and/or exclusions from AS ISO 13007.5 A.7:

Nil

Sample Preparation:

PARAMETER	VALUE
Ambient Temperature (conditioning)	21.5-23.2°C
Ambient humidity (conditioning)	52.5-56.7%RH
Ambient temperature (testing)	22.4 °C
Ambient humidity (testing)	50.6%RH

Test Results:

Test Date: 14/04/2026

SAMPLE	Water pressure	Water Impermeability			
		MASS (m1) (g)	MASS (m2) (g)	Weight gain (g)	Visual Penetration
Control Block	1.5bar	4003.21	4410.68	407.47	-
1	1.5bar	4395.03	4396.92	1.89	
2	1.5bar	4374.97	4376.96	1.99	
3	1.5bar	4366.94	4368.67	1.73	
Mean		4378.98	4380.85	1.87	
Std Deviation		14.47	14.52	0.13	

Weight Gain: 1.87grams

Pass

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Crack Bridging Ability

Testing:

Test carried out in accordance with AS ISO 13007.5 A.8.2.

Additions, deviations and/or exclusions from AS ISO 13007.5 A.8.2:

Nil

Sample Preparation:

PARAMETER	VALUE
Ambient Temperature (conditioning) 28 days	21.5-23.2°C
Ambient humidity (conditioning) 28days	52.5-56.7%RH
Ambient temperature (testing)	23.6 °C
Ambient humidity (testing)	52.4%RH

Test Parameters:

PARAMETER	VALUE
Accuracy grading of test machine	A
Elongation measurement type:	Electronic internal measurement
Method of preparation of specimens	Cast
Clamping device:	Pneumatic jaws
Total curing	14 days
Testing speed:	0.15 mm/min

Test Date: 20/04/2026

Test Results:

Replicate	Crack width (mm)
1	0.800
2	0.780
3	1.100
Mean	0.893
Std Deviation	0.179

Results: 0.893mm

Pass

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END OF REPORT

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