TEST REPORT

Accredited for compliance with ISO/IEC 17025 – Testing
20678

TEST SUMMARY

Objective

Assessment of supplied sample to ASTM E96

Project

Assessment of Actflex EP 250 to ASTM E96

Report Number

515-1 ASTM E96

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 EP 250

Description of test material

Epoxy Coating

Date of receipt of test material

29/09/2025

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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

2 coats @ 0.2mm | Expected DFT 0.3mm

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
Ruby Scardigno	*Eric Scardigno*
Head Laboratory Technician	*Laboratory Manager*

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SUMMARY OF TESTS

ASTM E96 Requirements:

PROPERTY	METHOD	RESULT	ASSESSMENT
Moisture vapour transmission rate	*ASTM E96 Desiccant method*	**1.63g/m^2/24 hours**	*State Result*

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WATER VAPOUR TRANSMISSION RATE

Date of test: 10-25/11/2025

Testing:

Test carried out in accordance with ASTM E96 Desiccant Method.

Additions, deviations and/or exclusions from ASTM E96 Desiccant Method:

Nil

Test Parameters:

PARAMETER	VALUE
Test temperature:	22.9-24.4°C
Test humidity:	40.0-51.4% RH
Cup design:	Round anodised aluminium cup
Sealant:	Paraffin Wax
Desiccant:	Anhydrous Calcium Chloride

Test Results

SAMPLE	THICKNESS (mm)	SIDE OF SPECIMEN HIGHER VAPOUR PRESSURE WAS APPLIED TO	REGRESSION		WATER VAPOUR TRANSMISSION RATE (g/m^2/24 hours)
			EQUATION	r^2 VALUE	
1	0.20	Side A, top of cast film	$Mass_{(g)}$= 0.0003x($Time_{hr}$)+181.76	0.9992	2.17
2	0.17	Side A, top of cast film	$Mass_{(g)}$= 0.0002x($Time_{hr}$)+181.31	0.9989	1.45
3	0.21	Side B, bottom of cast film	$Mass_{(g)}$= 0.0002x($Time_{hr}$)+184.08	0.9984	1.45
4	0.23	Side B, bottom of cast film	$Mass_{(g)}$= 0.0002x($Time_{hr}$)+155.29	0.9987	1.44
Mean	0.20				1.63
Std Deviation	0.02				0.36

Result: 1.63g/m²/24 hours

Report number	Issue Date	Expiry Date
515-1 ASTM E96	03/12/2025	03/12/2028

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END OF REPORT