

SUBJECT:

Batch testing of safety footwear sampled by Singapore Test Lab Pte Ltd. officer on 14 November 2025 at Titan SmartTech Pte Ltd premises.

TESTED FOR:

Titan SmartTech Pte Ltd.
5 Little Road #05-01
Cemtex Industrial Building,
Singapore 53698.

TEST DATE:

25 November 2025 to 27 November 2025.

METHOD OF TEST:

1. SS513: 2005
Personal Protective equipment – Safety footwear (Part 1 Requirements).
2. SS513: 2005
Personal Protective equipment – Safety footwear (Part 2 Test methods).

TESTS CONDUCTED:

The following tests were conducted:

- a. Upper / outsole bond strength (Clause 5.3.2.1)
- b. Internal toe cap length – (Clause 5.3.2.2)
- c. Corrosion resistance of toe cap – (Clause 5.3.2.5.1)
- d. Impact Resistance – (Clause 5.3.2.3)
- e. Compression resistance – (Clause 5.3.2.4)
- f. Penetration resistance – (Clause 6.2.1.1)

DESCRIPTION OF SAMPLE:

15 pairs of safety footwear were randomly sampled at the premises of QMT Industrial & Safety Pte Ltd from the following batch:

Batch size: 1000 pairs
Brand/Model: TITAN PPE / TST-SS907L & TST-SS808M
Outsole: PU
Country of origin: China
Category Code: S3
Size: UK 3 to 14
Cargo Clearance Permit: IG5J102546E

	 Accredited Laboratory SAC - SINGLAS LA-2018-0695-G	The results reported herein have been performed in accordance with the laboratory's terms of accreditation under the Singapore Accreditation Council
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TEST RESULTS:

Batch testing of safety footwear

Type of tests	Results	SS 513: 2005 Requirements	
Upper / Outsole bond strength	Complied	The bond strength shall not less than 4.0N/mm. if the tearing of sole occur the bond strength shall be not less than 3.0 N/mm.	
Internal toe cap length	Complied	Size 5	Min. 36 mm
		Size 6	Min. 38 mm
		Size 7 - 8	Min. 39 mm
		Size 9 - 10	Min. 40 mm
Corrosion resistance of toe cap	Complied	No more than 5 areas of corrosion, none of which shall exceed 2.5mm ² in area	
Impact resistance	Complied	Size 6	Min. 13.5 mm
		Size 7 - 8	Min. 14.0 mm
		Size 9 - 10	Min. 14.5 mm
Compression resistance	Complied	Size 5	Min. 13.0 mm
		Size 6	Min. 13.5 mm
		Size 7 - 8	Min. 14.0 mm
		Size 9 - 10	Min. 14.5 mm
Penetration resistance	Complied	Min 1100 N	

CONCLUSION:

- Based on the results, the samples taken from the consignment of safety footwear complied with the batch testing scheme in accordance with SS 513: 2005.
- The remaining of the untested safety footwear in the consignment (i.e 985 pairs), were each labeled with a STL BATCH TESTED labels from BTS-233712 to BTS-234696.

Sam Au
Testing Officer

Chua Peck Cheong
Senior Manager

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