

STANDARDS AUSTRALIA

Amendment No. 1
to
AS 4586—2013
Slip resistance classification of new pedestrian surface materials

REVISED TEXT

The 2013 edition of AS 4586 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to Clause 3 and Appendix D.

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Clause 3

Delete the following documents from the list of normative references:

1683 Methods of test for elastometers
1683.15.1 Method 15.1: International rubber hardness

CEN
EN ISO
20345 Personal Protective Equipment—Safety Footwear (ISO 20345:2011)

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Appendix D, Paragraph D4.3

Delete text and *replace* with the following:

Three verification surfaces ST-I, ST-II and ST-IIIA shall be standardized test panels, the slip resistive properties of which have previously been assessed at angles of 8.7°, 17.3° and 27.3° respectively.

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Appendix D, Paragraph D4.4

Delete first paragraph and *replace* with the following:

Test shoes shall be sole form LeipzigV73-SP comprising nitrile rubber with Shore A hardness of 73 ±5.

NOTE: See Figure D2 for profiled sole.

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Appendix D, Figure D2

Delete figure including the title and *replace* with the following:



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FIGURE D2 OUTSOLE OF TEST SHOE
(LEIPZIGV73-SP)

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Appendix D, Paragraph D4.6.2

- 1 Item (b), *delete* last sentence and *replace* with the following:

The flooring test piece starts in a horizontal position and the incline is increased at a speed of approximately 1°/s until the limit of being able to walk safely occurs, i.e. just before a slip occurs.

- 2 *Delete* Item (f) and *replace* with the following:

- (f) The point of slip shall be measured two more times with a total of three recorded points of slip, each time starting the panel shall be brushed to ensure an even spread of oil, with the test piece in the horizontal position or starting with an angle 10° below the acceptance angle of the previous measurement.

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Appendix D, Paragraph D4.7

Delete text and *replace* with the following:

The three standard pedestrian surfaces (ST-I, ST-II, ST-IIIa) shall be used for the calibration procedure. The acceptance angle (α) of these pedestrian surfaces are given in Table D1 and are specified as standard acceptance angles $\alpha_{s, (ST-I)}$, $\alpha_{s, (ST-II)}$ and $\alpha_{s, (ST-IIIa)}$.

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Appendix D, Table D1

Delete table and *replace* with the following:

TABLE D1
STANDARD ACCEPTANCE ANGLES
AND CRITICAL DIFFERENCES

Standard pedestrian surface	$\alpha_{s,i}$ degree	CrD_{95} degree
ST-I	8.7	3.0
ST-II	17.3	3.0
ST-IIIa	27.3	3.0