

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS T 8106 : 2016

Test method for slip resistance of protective and occupational footwear

ICS 13.340.50

Reference number : JIS T 8106 : 2016 (E)

PROTECTED BY COPYRIGHT

17 S

T 8106 : 2016

Date of Establishment: 2016-03-25

Date of Public Notice in Official Gazette: 2016-03-25

Investigated by: Japanese Industrial Standards Committee
Standards Board for ISO area
Technical Committee on Safety

JIS T 8106 : 2016, First English edition published in 2016-08

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

© JSA 2016

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

HT/HN

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Apparatus and materials	3
5 Sampling and conditioning	5
5.1 Sampling	5
5.2 Conditioning	5
6 Test method	5
6.1 Principle	5
6.2 Test modes and test conditions	5
7 Preparation of footwear and floor	10
7.1 Footwear	10
7.2 Floor	12
8 Procedure	12
9 Test report	13
10 Selection of slip-resistant footwear	14
Annex A (normative) Manufacturer's standard shoemaking last and mechanical foot for testing footwear	15
Annex B (normative) Specification of ceramic tiles	17
Annex C (normative) Calibration procedure for ceramic tiles and other test surfaces	18
Annex JA (informative) Selection of slip-resistant footwear for powdery surfaces	22
Annex JB (informative) Selection of slip-resistant footwear for icy surfaces	23
Annex JC (informative) Selection of slip-resistant footwear with high dynamic CoF	24
Annex JD (informative) Comparison table between JIS and corresponding International Standard	25

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Health, Labour and Welfare and the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

This JIS document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Ministers and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Test method for slip resistance of protective and occupational footwear

Introduction

This Japanese Industrial Standard has been prepared with an aim to be harmonized with the second edition of **ISO 13287** published in 2012. In the light of overturn prevention, this Standard also describes in Annexes selections of slip-resistant footwear used on powdery or icy surfaces as well as items to be considered and noted for footwear with high slip resistance so that users can select protective and occupational footwear which is applicable to the work place where the footwear is used.

The portions given dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JD.

1 Scope

This Standard specifies a method of test for the slip resistance of protective and occupational footwear used in the work places of manufacturing, construction, transportation, food retailing industries and other industries.

It is not applicable to special purpose footwear containing spikes, metal studs or similar.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 13287 : 2012 *Personal protective equipment — Footwear — Test method for slip resistance* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and JIS are IDT (identical), MOD (modified), and NEQ (not equivalent) according to ISO/IEC Guide 21-1.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0601 *Geometrical Product Specifications (GPS) — Surface texture : Profile method — Terms, definitions and surface texture parameters*

NOTE : Corresponding International Standard : ISO 4287 *Geometrical Product Specifications (GPS) — Surface texture : Profile method — Terms, definitions and surface texture parameters* (IDT)

JIS K 6253-2 *Rubber, vulcanized or thermoplastic — Determination of hardness*