



BSI Standards Publication

Method of polishing specimens prior to the measurement of slip and skid resistance

National foreword

This Published Document is the UK implementation of CEN/TS 12633:2014. It supersedes DD ENV 12633:2003 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/507/7, Pedestrian slip resistance.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Amendments issued since publication

Date	Text affected
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English Version

Method of polishing specimens prior to the measurement of slip and skid resistance

Méthode de détermination de la valeur de résistance au
dérapage/à la glissance d'unités de pavage polies ou non
polies

Verfahren zur Bestimmung des rüffigkeitsbeiwertes vor
und nach Polieren

This Technical Specification (CEN/TS) was approved by CEN on 10 September 2013 for provisional application.

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Contents

	Page
Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Principle.....	5
4 Apparatus	5
5 Sampling of test specimens	8
6 Preparation of test specimen	8
7 Polishing procedure	9
8 Validation of polishing procedure.....	9
9 Test report	10
Annex A (informative) Preparation of reference material specimens.....	11
A.1 Reference material.....	11
A.2 Apparatus and equipment	11
A.3 Preparation of reference material specimens	12
Bibliography.....	13

Foreword

This document (CEN/TS 12633:2014) has been prepared by Technical Committee CEN/TC 178 "Paving units and kerbs", the secretariat of which is held by BSI.

This document supersedes ENV 12633:2003.

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Introduction

Health and safety aspects

WARNING: The application of emery polishing agents during the course of the operations described in this Technical Specification can generate particles that could be injurious to health. It is essential to ensure that appropriate precautions are taken, e.g. the use of dust masks and/or dust extracting facilities. It is also essential to ensure that the equipment is electrically safe in wet test conditions.

1 Scope

This Technical Specification describes a laboratory method for polishing paving units using a flat-bed polishing machine prior to the measurement of slip and skid resistance to evaluate the durability of this characteristic. This Technical Specification may not be applicable to profiled paving units: for these types of units the method of polishing does not reflect the polishing in practice.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 772-20, *Methods of test for masonry units - Part 20: Determination of flatness of faces of aggregate concrete, manufactured stone and natural stone masonry units*

EN 772-1, *Methods of test for masonry units - Part 1: Determination of compressive strength*

ISO 48, *Rubber, vulcanized or thermoplastic — Determination of hardness (for hardness between 10 IRHD and 100 IRHD)*

3 Principle

The Technical Specification describes the test method for polishing paving units using an abrasive agent in contact with a rotating resilient mat.

4 Apparatus

4.1 Straight-edge

4.2 Set of feeler gauges with a width of (6 ± 1) mm capable of measuring with an accuracy to 0,05 mm

4.3 Flat-bed polishing machine (see Figure 1) comprising the following: