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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 Griffigkeitsbeiwertes vor und nach Polierung

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

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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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 1 ge re taken, nt is electric. 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 (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: