

## DIN EN 12697-16



ICS 93.080.20

Supersedes  
DIN EN 12697-16:2004-09

**Bituminous mixtures –  
Test methods –  
Part 16: Abrasion by studded tyres;  
English version EN 12697-16:2016,  
English translation of DIN EN 12697-16:2016-10**

Asphalt –  
Prüfverfahren –  
Teil 16: Abrieb durch Spikereifen;  
Englische Fassung EN 12697-16:2016,  
Englische Übersetzung von DIN EN 12697-16:2016-10

Mélanges bitumineux –  
Méthodes d'essai –  
Partie 16: Abrasion par pneus à crampons;  
Version anglaise EN 12697-16:2016,  
Traduction anglaise de DIN EN 12697-16:2016-10

Document comprises 22 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

*A comma is used as the decimal marker.*

## **National foreword**

This document (EN 12697-16:2016) has been prepared by Technical Committee CEN/TC 227 “Road materials” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Bauwesen* (DIN Standards Committee Building and Civil Engineering), Working Committee NA 005-10-10 AA *Asphalt (SpA zu CEN/TC 227/WG 1) Gemeinschaftsausschuss mit FGSV*.

## **Amendments**

This standard differs from DIN EN 12697-16:2004-09 as follows:

- a) Scope: The application of the method has been clarified. NOTES regarding the use of polymer modified bitumen or rubber modified bitumen have been added;
- b) 4.2 Apparatus: It has been clarified that the sample collar shall consist of stainless steel. The following has been added: important parts for measuring the stroke height and for the installation of equipment, the measurements needed by the equipment manufacturer, the dimensions of the new sample collar, a NOTE relating to old equipment, the defined quality of stainless steel balls and the weight of the steel ball set with tolerances, normative text concerning the importance of fixing the rubber plate without bubbles, normative text concerning the time when the rubber plate needs to be replaced, a tightened accuracy of the balance from 0,3 to  $\pm 0,1$  g. Figures 1 and 2 (including keys) have been corrected and placed in order due to the relevant clause;
- c) 4.3 Test specimen: Some paragraphs have been added;
- d) 4.4 Conditioning: The maximum conditioning time has been specified and minor editorial changes have been made;
- e) 4.5 Determination of abrasion: A procedure has been specified for carrying out the test when the water flow is interrupted; additional notes have been included and minor editorial changes have been made to correct inconsistencies. In 4.5.1 it has been specified that a water proof or similar tape is to be used. In 4.5.3 a check of the rubber plate condition has been specified;
- f) 4.6 Calculation: The calculation of rounded abrasion values and the unit for bulk density have been modified; minor editorial changes have been made;
- g) 4.7 Test report: The information has been rendered more precise and minor editorial changes have been made. In 4.7 f) indication of individual values has been specified;
- h) 4.8 Precision: Based on the results of the Nordic research project in NordFoU, the precision data have been updated.

## **Previous editions**

DIN EN 12697-16: 2004-09

English Version

## Bituminous mixtures - Test methods - Part 16: Abrasion by studded tyres

Mélanges bitumineux - Méthodes d'essai pour enrobés  
à chaud - Partie 16: Abrasion par pneus à crampons

Asphalt - Prüfverfahren für Heißasphalt - Teil 16:  
Abrieb durch Spikereifen

This European Standard was approved by CEN on 23 January 2016.

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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**