

BSI Standards Publication

Bituminous mixtures — Test methods

Part 49: Determination of friction after polishing



This is a preview. Click here to purchase the full publication.

BS EN 12697-49:2022 BRITISH STANDARD

National foreword

This British Standard is the UK implementation of EN 12697-49:2022. It supersedes BS EN 12697-49:2014, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/510/1, Asphalt products.

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

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2022 Published by BSI Standards Limited 2022

ISBN 978 0 539 06720 0

ICS 93.080.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2022.

Amendments/corrigenda issued since publication

Date Text affected

EUROPEAN STANDARD

EN 12697-49

NORME EUROPÉENNE EUROPÄISCHE NORM

February 2022

ICS 93.080.20

Supersedes EN 12697-49:2014

English Version

Bituminous mixtures - Test methods - Part 49: Determination of friction after polishing

Mélanges bitumineux - Méthodes d'essai - Partie 49 : Détermination du frottement après polissage

Asphalt - Prüfverfahren - Teil 49: Messung der Griffigkeit nach dem Polieren

This European Standard was approved by CEN on 15 November 2021.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2022 CEN

All rights of exploitation in any form and by any means reserved worldwide for CEN national Members

Ref. No. EN 12697-49:2022: E

This is a preview. Click here to purchase the full publication.

Contents			Page
Euro	pean fo	oreword	iii
Introduction			v
1		De	
2	Normative references		
3	3.1	ns, definitions, symbols and abbreviated terms Terms and definitions	
	3.2	Symbols and abbreviated terms	
4		ciple	
5	Equipment		
3	5.1	Test device	
	5.1	5.1.1 General	
		5.1.2 Polishing unit	
		5.1.3 Specimen clamping system	
		5.1.4 Measuring unit	
	5.2	Control plate for comparative measurements	
	5.3	Sand-blasting-equipment	13
6	Other materials		13
	6.1	Quartz powder	13
	6.2	Water quartz powder mixture	
	6.3	Corundum	14
7	Test method		14
	7.1	Preparation of the specimens	
		7.1.1 General	14
		7.1.2 Specimens prepared in the laboratory	
		7.1.3 Specimens taken from the site	
	= 0	7.1.4 Conditioning of specimens	
	7.2	Polishing procedure	
		7.2.1 General	
		7.2.2 Pre-test check of the polishing unit	
	7.3	Friction measurement	1.0
	7.5	7.3.1 Pre-test check of the measurement device	
		7.3.2 Friction test	
8	Calculation and expression of the results		17
	8.1	Friction result μ_{FAP} on a single specimen	
	8.2	Determination of FAP	
9	Test	report	17
10	Prec	ision	18
Ann		formative) Example of polishing head and friction unit	
	-	formative) Results obtained from the curve FAP against passes	
	-	formative) National experiences	
	iogranh		28