

Rubber hoses and hose assemblies for asphalt and bitumen — Specification

The European Standard EN 13482:2001 has the status of a British Standard

ICS 23.040.70; 83.140.40

National foreword

This British Standard is the official English language version of EN 13482:2001. It supersedes BS 6130-2:1994 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee PRI/66, Rubber and plastics tubing, hoses and hose assemblies, to Subcommittee PRI/66/1, Industrial, chemical and petrochemical applications, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Materials and Chemicals Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 07 April 2002

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 12, an inside back cover and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

© BSI 07 April 2002

ISBN 0 580 39466 2

English version

Rubber hoses and hose assemblies for asphalt and bitumen - Specification

Tuyaux et flexibles en caoutchouc pour asphalte et bitume -
Spécification

Gummischläuche und -schlauchleitungen für Asphalt und
Bitumen - Spezifikation

This European Standard was approved by CEN on 20 August 2001.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

	page
Foreword.....	3
1 Scope	3
2 Normative references	3
3 Terms and definitions.....	4
4 Classification	4
5 Construction and materials	4
5.1 Type 1 and Type 2 hoses — rubber smooth bore (SB).....	4
5.2 Type 1 and Type 2 hoses — rubber rough bore (RB).....	4
5.3 End fittings	4
6 Dimensions and minimum bend radius.....	5
6.1 Internal diameters, tolerances and minimum bend radii	5
6.2 Lengths and tolerances.....	5
6.3 Concentricity	5
7 Physical properties of rubber compounds	5
8 Hose and hose assemblies	6
8.1 Type approval tests	6
9 Frequency of testing.....	7
10 Marking	7
10.1 Hoses	7
10.2 Hose assemblies	7
Annex A (normative) Test method for proof pressure	8
A.1 Test medium and temperature.....	8
A.2 Procedure	8
Annex B (normative) Test method for bend and burst pressure	9
Annex C (normative) Type approval and routine tests.....	10
Annex D (informative) Recommended test frequency for production acceptance tests.....	11
Bibliography	12

Foreword

This European Standard has been prepared by Technical Committee CEN /TC 218, "Rubber and plastics hoses and hose assemblies", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2002, and conflicting national standards shall be withdrawn at the latest by March 2002.

This standard is one in a series of specifications for hose and hose assemblies for conveying petroleum based and associated products. It covers types of hose and hose assemblies for conveying asphalt and bitumin, which are hazardous materials at temperatures where they can flow readily.

The annexes A, B and C are normative. Annex D is informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European standard specifies requirements for two types of hose and hose assembly identified by their maximum working pressures and main use i.e. Type 1 is for road and rail tanker use and Type 2 is for dockside use. The types can be further divided into two classes related to the maximum temperature of the product to be conveyed. The hose constructions may be smooth or rough bore.

NOTE These types of hose or hose assemblies may not necessarily be suitable for all types of petroleum based products or coal tar, or products containing coal tar.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the test and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN ISO 1746, *Rubber or plastic hoses and tubing — Bending tests (ISO 1746:1998, including technical corrigendum 1:1999)*

EN ISO 4671, *Rubber and plastics hoses and hose assemblies — Methods of measurements of dimensions (ISO 4671:1999)*

EN ISO 7233:1995, *Rubber and plastic hoses and hose assemblies — Determination of suction resistance (ISO 7233:1991)*

EN ISO 8031, *Rubber and plastic hoses and hose assemblies — Determination of electrical resistance (ISO 8031:1993)*

ISO 37, *Rubber vulcanised — Determination of tensile stress-strain properties*

ISO 1817, *Rubber, vulcanised — Determination of the effect of liquids*

ISO 4649:1985, *Rubber — Determination of abrasion resistance using a rotating cylindrical drum device*