

# Flexible sheets for waterproofing — Determination of visible defects —

## Part 2: Plastic and rubber sheets for roof waterproofing

The European Standard EN 1850-2:2001 has the status of a  
British Standard

ICS 83.140.10; 91.100.50

# National foreword

This British Standard is the official English language version of EN 1850-2:2001.

The UK participation in its preparation was entrusted by Technical Committee B/546, Flexible sheets for waterproofing, to Subcommittee B/546/2, Roof sheeting and sealing sheeting, which has the responsibility to:

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- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
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### Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 4, an inside back cover and a back cover.

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English version

**Flexible sheets for waterproofing — Determination of visible defects — Part 2: Plastic and rubber sheets for roof waterproofing**

Feuilles souples d'étanchéité — Détermination des défauts d'aspect — Partie 2: Feuilles d'étanchéité de toiture plastiques et élastomères

Abdichtungsbahnen — Bestimmung sichtbarer Mängel — Teil 2: Kunststoffbahnen und Elastomerbahnen für Dachabdichtungen

This European Standard was approved by CEN on 2 June 2000.

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## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 254, Flexible sheets for waterproofing, the Secretariat of which is held by BSI.

This document has to be implemented at national level, either by publication of an identical text or by endorsement, by November 2001, and conflicting national standards have to be withdrawn by July 2002.

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

## Introduction

This European Standard is intended for characterization of plastic and rubber sheets as manufactured or supplied before use. This test method relates exclusively to products or to their components where appropriate, and not to waterproofing membrane systems composed of such products and installed in the works.

This test is intended to be used in conjunction with a European Standard on definition and characteristics for plastic and rubber sheets for roof waterproofing.

## 1 Scope

This European Standard specifies a method for the determination of the visible defects in plastic and rubber sheets for roof waterproofing, which could influence the functional behaviour of these sheets.

## 2 Normative references

This European Standard incorporates, by dated or undated references, provisions from other publications. These normative references are cited at the appropriate places in the text 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 editions of the publication referred to apply (including amendments).

EN 13416                      *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Rules for sampling.*

## 3 Terms and definitions

For the purpose of this European Standard, the following terms and definitions apply.

### 3.1

#### **blister**

elevation of the surface of varied contour and dimensions, with a cavity beneath it

### 3.2

#### **crack**

fissure that penetrates the external surface of the material or its entire thickness, the rubber or plastic material being completely separated between the crack walls

### 3.3

#### **hole**

opening through the sheet, which may allow the passage of water

### 3.4

#### **scratch**

single sided damage to the surface caused by external means

### 3.5

#### **indentation**

small hollow or depression in the surface of the sheet

### 3.6

#### **void**

enclosed cavity of an undefined shape, containing air or some other gas

NOTE The term 'bubble' refers to a more or less spherical void.

### 3.7

#### **inclusion**

extraneous body enclosed within the mass.

## 4 Principle

A part of a selected roll of plastic or rubber sheet is unrolled on a flat surface and examined for defects on both surfaces and at a cut surface.

## 5 Sampling and conditioning

### 5.1 Sampling

The plastic or rubber sheet to be tested shall be complete and undamaged rolls selected in accordance with EN 13416.

### 5.2 Conditioning of samples

Generally ageing or conditioning is not required to be carried out and examination shall be made under ambient conditions.

In case of dispute, the test shall be conducted at  $(23 \pm 2) ^\circ\text{C}$  after conditioning for at least 20 h at  $(23 \pm 2) ^\circ\text{C}$ .

## 6 Procedure

The selected roll shall be laid on a flat surface. The first 10 m of the roll of material under examination is carefully unrolled, top surface uppermost, and examined over the whole surface with the naked eye for the presence of blisters, cracks, holes, scratches, indentations, or any other noticeable defect. The roll is then carefully turned over and examined on the underside for the same visible defects.

Cut the roll near the end across the full width and examine the cut surface for the presence of voids or inclusions.

## 7 Test report

The test report shall contain at least the following information:

- a) a reference to this European Standard (EN 1850-2) and any deviation from it;
- b) all details necessary to identify the product tested;
- c) any non-standard procedures or any peculiarities encountered during testing;
- d) the presence of any blisters, cracks, holes, scratches or indentations;
- e) the presence of any inclusions or voids in the cut surface;
- f) the date of testing.



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