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ICS 91.100.10

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel: (01) 807 3800

Tel: (01) 807 3838

**SCREED MATERIAL AND FLOOR SCREEDS**  
**- SCREED MATERIAL - PROPERTIES AND**  
**REQUIREMENTS**

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EUROPEAN STANDARD  
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English version

**Screed material and floor screeds - Screed material - Properties  
and requirements**

Matériaux de chapes et chapes - Matériaux de chapes -  
Propriétés et exigences

Estrichmörtel, Estrichmassen und Estriche - Estrichmörtel  
und Estrichmassen - Eigenschaften und Anforderungen

This European Standard was approved by CEN on 14 September 2002.

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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, Malta, 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**

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## **EN 13813:2002 (E)**

### **Foreword**

This document EN 13813:2002 has been prepared by Technical Committee CEN/TC 303 "Floor screeds and in-situ floorings in buildings", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by April 2003, and conflicting national standards shall be withdrawn at the latest by July 2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this document.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## Introduction

The properties required of a screed are related to its use.

They are considered in two groups: those relating to the fresh, unhardened screed material and those relating to the hardened screed material.

The properties achieved depend essentially on the type or types of binder used and their respective proportions. The type of aggregates, admixtures and/or additions used can achieve special properties.

## 1 Scope

This European Standard specifies requirements for screed material for use in floor construction internally.

To support the aim of achieving a performance related standard, as far as practicable this standard refers only to the properties of the product and not to its method of manufacture, except when this is unavoidable in the description of the characteristics of the product.

It defines for fresh screed material the performance related to setting time, consistency, pH value and for the hardened screed material, compressive strength, flexural strength, wear resistance, surface hardness, resistance to indentation, resistance to rolling wheel, shrinkage and swelling, modulus of elasticity, bond strength, impact resistance, reaction to fire, acoustic performance, thermal resistance and chemical resistance.

It provides for the evaluation of conformity of the product to this European Standard.

The marking requirements for products covered by this European Standard are included.

This standard covers screed materials as defined in EN 13318.

Structural screeds, i.e. those that contribute to the load bearing capacity of the structure, are excluded from this standard.

NOTE This standard can be used in conjunction with codes of application and national specifications for site made screed material produced and laid by the same contractor.

## 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 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 edition of the publication referred to applies (including amendments).

EN 1062-3, *Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 3: Determination and classification of liquid-water transmission rate (permeability)*.

EN 1081, *Resilient floor coverings – Determination of the electrical resistance*.

prEN 1504-2, *Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – Part 2: Surface protection systems*.

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