

English version

**Resilient, textile and laminate floor coverings - Design,
preparation and installation - Part 1: General**

Revêtements de sol résilients, textiles et stratifiés -
Conception, préparation et installation - Partie 1:
Généralités

Elastische, textile und Laminatbodenbeläge – Planung,
Vorbereitung und Verlegung - Teil 1: Allgemeines

This Technical Specification (CEN/TS) was approved by CEN on 30 september 2002 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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Foreword

This document (CEN/TS 14472-1:2003) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings”, the secretariat of which is held by BSI.

The Technical Specification CEN/TS 14472, *Resilient, textile and laminate floor coverings — Design, preparation and installation*, consists of the following four parts:

Part 1: General

Part 2: Textile floor coverings

Part 3: Laminate floor coverings

Part 4: Resilient floor coverings

This document includes a Bibliography.

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of an identical text or by endorsement, at the latest by December 2003, and conflicting national standards shall be withdrawn at the latest by December 2003.

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

Introduction

European Standards are currently available for

- resilient, textile and laminate floor coverings
- classification schemes that define the characteristics of a location where a floor covering is to be used, and enable an appropriate product to be selected.

For these products to give satisfactory service, they also need to be installed competently, and to receive appropriate maintenance in service. Certain countries have issued guides and/or standards that define good practice for installation and maintenance.

To date, although there has been substantial trade in floor coverings between different countries in Europe, these have largely been installed using the methods of the country importing them. Relatively little installation work has been conducted across European borders, but it is likely that this will increase.

The Technical Specification is not intended to replace the existing national guides or standards on installation. Its purpose is:

- a) to identify a framework of good practice common to the existing national standards,
- b) to identify the principal technical differences in approach between them,

and hence

- c) to foster good standards of installation across Europe, including countries where there is no national standard on installation,
- d) to enable a specifier to specify a common procedure for installation for work in his country, which may be conducted by installers from other countries, and
- e) to enable an installer to conduct work more easily in another country.

This Technical Specification and national codes of practice for the installation of floor coverings give guidance on the associated design and building work that should be addressed if the floor covering installation is to be conducted successfully. These references are not intended as comprehensive guidance on the wider aspects of that work, which should be conducted in accordance with the appropriate codes. Certain codes for the wider aspects of design and building work are listed in the bibliography of this Technical Specification and/or in national codes on the installation of floor coverings.

1 Scope

This Technical Specification gives recommendations for the installation of resilient, textile and laminate floor coverings in new or existing buildings. It describes procedures in design, installation and maintenance which are in use throughout Europe for all floor covering materials and highlights the major differences that may exist in different national procedures.

The guidelines in this Technical Specification are intended for use in cases where manufacturer's instructions, taking account of the national code of practice in the country where the installation is to be made, are not available. References to the national codes that are currently available are listed in the bibliography of the various parts of this Technical Specification.

All parts of the Technical Specification are intended to supplement, and not conflict with, National Standards.

2 Terms and definitions

For the purposes of this Technical Specification, the following terms and definitions apply:

2.1

fabricated substrate

manufactured board made from wood, wood particles or wood fibres in panel form, calcium sulfate (gypsum), etc., to provide a suitable surface to receive the specified floor covering.

2.2

screed (see EN 13318)

layer of well compacted material, commonly a mixture of cement and aggregate, applied in situ to a concrete base at the appropriate thickness.

2.3

mastic asphalt

mixture of bitumen and an inert mineral aggregate.

2.4

impregnation

treatment of a base or a screed by application of a liquid product intended to penetrate the pores without forming a continuous layer on the surface.

2.5

levelling layer

layer of compacted material, applied in situ to a sound base or screed where there is a need to raise the level of the floor surface to level a floor that is out of true, or to give a uniform absorbency where water-based adhesives are to be used.

2.6

flowing screed

insitu applied material that sets hydraulically or by chemical cure. Normally a proprietary compound to be used in accordance with manufacturer's recommendations. It is poured or pumped directly to the concrete slab to form a smooth level surface, ready to receive most floor coverings.

2.7

anhydrite screed

formulated flowing screed based on hydraulically setting calcium sulfate.

2.8

underlay

for definition of this term as applied to specific types of floor covering see parts 2, 3 and 4 of this document.