



BSI Standards Publication

Ceramic tiles — Guidelines for installation

Part 1: Installation of ceramic wall and floor tiles

National foreword

This Published Document is the UK implementation of ISO/TR 17870-1:2015.

The UK participation in its preparation was entrusted to Technical Committee B/539, Ceramic tiles and other rigid tiling.

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

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ISBN 978 0 580 81944 5

ICS 91.100.23

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This Published Document was published under the authority of the Standards Policy and Strategy Committee on 31 August 2015.

Amendments issued since publication

Date	Text affected
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TECHNICAL
REPORT

ISO/TR
17870-1

First edition
2015-08-15

**Ceramic tiles — Guidelines for
installation —**

**Part 1:
Installation of ceramic wall and floor
tiles**

*Carreaux et dalles céramiques — Lignes directrices pour
l'installation —*

*Partie 1: Installation des carreaux et dalles céramiques au sol et aux
murs*



Reference number
ISO/TR 17870-1:2015(E)

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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Terms and definitions	1
2.1 General.....	1
2.2 Components of ceramic tiling.....	1
2.3 Tiling techniques and operations.....	3
2.4 Characteristics/aspects of ceramic tiling.....	4
3 Exchange of information	4
4 Materials	5
4.1 General.....	5
4.2 Basic materials.....	5
4.3 Basic information.....	6
5 Specification	7
5.1 General.....	7
5.2 The project data.....	7
5.2.1 Installation location and working conditions.....	7
5.2.2 Backgrounds.....	7
5.3 Selection and specification of the materials.....	9
5.3.1 Criterion of performance.....	9
5.3.2 Criterion of compatibility.....	9
5.3.3 Criterion of safety.....	10
5.4 Specification of the tiling.....	10
5.4.1 Tiling system.....	10
5.4.2 Tile joints.....	10
5.4.3 Movement joints.....	11
6 Installation	11
6.1 General.....	11
6.2 Analysis of the specification and planning of the work.....	12
6.3 Control of environmental conditions.....	12
6.4 Storage and control of the materials.....	12
6.5 Control and preparation of the background, preparation of the bedding material, application of bedding and tiles.....	13
6.6 Installation of movement joints.....	13
6.7 Cleaning and protection.....	14
7 Quality of ceramic tiling: characteristics and requirements	14
7.1 General characteristics of ceramic tiling.....	14
7.2 Guidelines for the specification of requirements and their recommended tolerances.....	14
7.2.1 General.....	14
7.2.2 Regularity.....	14
7.2.3 Durability.....	17
7.2.4 Safety.....	17
8 Initial cleaning, protection, and maintenance	18
8.1 General.....	18
8.2 Initial cleaning.....	18
8.3 Protection.....	18
8.4 Treatment.....	19
8.4.1 Surface waterproofing treatments.....	19
8.4.2 Temporary tile sealers.....	19
8.5 Maintenance.....	19
Bibliography	20

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 189, *Ceramic tile*.

ISO/TR 17870 consists of the following parts, under the general title *Ceramic tiles — Guidelines for installation*:

- *Part 1: Installation of ceramic wall and floor tiles*
- *Part 2: Installation of thin ceramic wall and floor tiles and panels*

Introduction

There are currently International Standards available for

- ceramic tiles, and
- adhesives and grouts for tiles.

NOTE ISO 13007-5, dealing with liquid-applied waterproofing membranes for use beneath ceramic tiling bonded with adhesives, is under preparation.

For these products to give satisfactory service, they need to be selected and installed competently, and they have to receive appropriate initial treatment, protection, and maintenance.

Some countries have published standards and/or guides that specify the design and installation of ceramic tiling. The purpose of ISO/TR 17870 is to foster good installation practices for ceramic wall and floor tiles, internationally.

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Ceramic tiles — Guidelines for installation —

Part 1: Installation of ceramic wall and floor tiles

1 Scope

This part of ISO/TR 17870 defines the quality of ceramic tiling and provides guidance for materials selection, installation and use, to achieve required levels of quality and performance.

It considers aspects related to the specification and installation of the tiling project, in terms of:

- manufacture and distribution of the materials (ceramic tiles, adhesives, grouts, etc.);
- specification of the tiling;
- installation of the tiling (tile fixing operations).

It is applicable to internal and external floor and wall ceramic tiling, installed by either cement mortar or other adhesive methods.

NOTE The quality of ceramic tiling depends on the following general characteristics:

- regularity;
- durability;
- safety.

The durability of the tiling can depend on its use and management.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1 General

2.1.1

ceramic tiling

ceramic tiles installed, together with its associated bedding and jointing

2.1.2

design (of ceramic tiling)

specification (of ceramic tiling)

selection of ceramic tiles, backgrounds, fixing methods, and fixing and jointing materials as appropriate for the structure and intended use

2.1.3

installation (of ceramic tiling)

tile fixing

application of ceramic tiling in accordance with the specification