TECHNICAL REPORT

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Ceramic tiles — Guidelines for installation —

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

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

Partie 2: Installation des carreaux et dalles céramiques minces au sol et aux murs

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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*

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Introduction

There are currently International Standards available for

— ceramic tiles, and

— adhesives and grouts for tiles.

NOTE ISO test methods for thin ceramic tiles and panels, as well as ISO 13007-5 dealing with liquid-applied waterproofing membranes for use beneath ceramic tiling bonded with adhesives, are 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 thin ceramic wall and floor tiles and panels, internationally.

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Ceramic tiles — Guidelines for installation —

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

1 Scope

This part of ISO/TR 17870 defines the quality of thin 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 (thin ceramic tiles and panels, adhesives, grouts, etc.),

— specification of the thin tiling, and

— installation of the tiling (thin tile fixing operations).

It is applicable to internal and external thin ceramic floor and wall tiling, installed by adhesive methods.

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

— regularity;

— durability;

— safety.

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

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 13006, *Ceramic tiles — Definitions, classification, characteristics and marking*

ISO 13007-1, *Ceramic tiles — Grouts and adhesives — Part 1: Terms, definitions and specifications for adhesives*

ISO 13007-3, *Ceramic tiles — Grouts and adhesives — Part 3: Terms, definitions and specifications for grouts*

ISO 13007-5[1)], *Ceramic tiles — Grouts and adhesives — Part 5: Liquid applied waterproofing membranes for use beneath ceramic tiling bonded with adhesives — Requirements, test methods, evaluation of conformity, classification and designation*

3 Terms and definitions

For the purposes of this document, the terms and definitions given ISO 13006, ISO 13007-1, ISO 13007-3, ISO 13007-5, and the following apply.

1) To be published.

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