BS ISO 12575-1:2012

BSI Standards Publication

Thermal insulation products — Exterior insulating systems for foundations

Part 1: Material specification

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National foreword

This British Standard is the UK implementation of ISO 12575-1:2012.

The UK participation in its preparation was entrusted to Technical Committee B/540, Energy performance of materials components and buildings.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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ISBN 978 0 580 55055 3

ICS 91.120.10

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2012.

Amendments issued since publication

Date	Text affected

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INTERNATIONAL STANDARD

ISO 12575-1

First edition
2012-10-15

Thermal insulation products — Exterior insulating systems for foundations —

Part 1: Material specification

Produits isolants thermiques — Applications externes aux murs des fondations —

Partie 1: Spécification des matériaux

Reference number
ISO 12575-1:2012(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 12575-1 was prepared by Technical Committee ISO/TC 163, *Thermal performance and energy use in the built environment*, Subcommittee SC 3, *Thermal insulation products*.

ISO 12575 consists of the following parts, under the general title *Thermal insulation products — Exterior insulating systems for foundations*:

— *Part 1: Material specification*

— *Part 2: Principal responsibilities of installers*

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Introduction

ISO 12575 (all parts) defines a number of types of foundation insulating systems and outlines the different roles the insulation plays within each system.

This part of ISO 12575 provides specifiers, designers and engineers of insulation systems with guidelines on what properties are to be considered for the thermal insulating materials for a building foundation insulating system where the insulation is in direct contact with ground soils. The designer shall consult the appropriate national regulations and application specifications for minimum requirements.

The designer selects the actual material in accordance with this part of ISO 12575 for the type of system to be used in a specific application. The designer also consults the appropriate material standard and national regulations for the material selected for added characteristics not specified in this part of ISO 12575.

The manufacturer produces the material according to any applicable material standards, declares that their material type meets the requirements of this part of ISO 12575, declares the fitness for the intended use, and labels the material according to this part of ISO 12575.

The installer follows the requirements of the designer, the manufacturer, local government regulations, ISO 12575-2 and assumes responsibility for installation.

Included as part of the development of ISO 12575 (all parts) is the review of applicable CEN documents; CEN standards were harmonized where appropriate.

Moisture control for this application is only partially addressed in the optional requirements in this part of ISO 12575.

Calculation methods are addressed in ISO 13793 and ISO 13370.

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