

BRE Expert Collection 3

# Climate resilience

A collection of BRE expert guidance on managing climate risks in the built environment





## Introduction

#### Welcome to the BRE Expert Collections.

IHS BRE Press is the exclusive publisher of BRE publications. Publications are produced in various series, which are outlined below. Information on how to purchase BRE publications is given on the next page, together with information about BRE and IHS.

This pdf contains a valuable collection of short BRE publications on managing climate risks in the built environment. It is one of a series of collections of BRE expert guidance and advice on the built environment, each offering exceptional value for construction professionals.

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**BRE** is owned by BRE Trust, the largest UK charity dedicated specifically to research and education in the built environment. BRE Trust uses the profits made by BRE to fund new research and education programmes that advance knowledge, innovation and communication for public benefit.

Information about BRE can be found HERE.

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#### Front cover image

Demountable flood defence system (image courtesy of IBS Engineered Products Ltd)

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# **BRE Expert Collections**

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#### Repairing flooded buildings

An insurance industry guide to investigation and repair

Compiled by the Flood Repairs Forum, this publication helps those who are less experienced in flood repairs to understand the basic insurance and technical issues involved, and the key elements of customer care - recognising that communication and management of expectation rest at the heart of many of the difficulties which can occur. EP 69

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#### U-value conventions in practice:

Worked examples using BR 443

Learn how to calculate thermal transmittance and thermal mass values of building materials in a unified and consistent way. Eight worked examples for wall, roof and floor designs are included. FB 42



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### A guide to the Simplified Building Energy Model (SBEM)

Learn how SBEM calculates the energy used by buildings and gain a practical insight into the processes and assumptions within the model. This guide for building services engineers and architects describes SBEM in words rather than equations. FB 24

# Conventions for calculating linear thermal transmittance and temperature factors

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