

An MND Statutory Board

Co-led by:



In collaboration with:



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Building Plan & Management Group

03 March 2025

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Dear Sir/Madam,

GOOD PRACTICE GUIDE FOR WIND-DRIVEN RAIN IN HIGH-RISE RESIDENTIAL DEVELOPMENTS

Objective

This circular informs the industry on the release of the **Good Practice Guide for Wind-Driven Rain in High-rise Residential Developments Ver.1.0** (“Guide”).

Background

2 This good practice Guide was developed by a joint taskforce co-led by Building and Construction Authority (BCA) and Singapore Institute of Architects (SIA), in close collaboration with Real Estate Developers Association of Singapore (REDAS), Association of Consulting Engineers Singapore (ACES), Urban Redevelopment Authority (URA), Singapore Civil Defence Force (SCDF) and Housing & Development Board (HDB).

3 This Guide seeks to provide a set of practicable passive design strategies to minimize the impact of wind-driven rain on residential developments. Building designers are encouraged to consider mitigation strategies and measures early in the upfront planning and design stages to minimize the need for ad-hoc downstream reactive interventions.

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4 It should be noted that the recommendations in this Guide seek to minimise rather than fully eliminate the peak effects of wind-driven rain. Readers should calibrate the application of the relevant strategies to meet the needs of each unique site context.

5 An electronic copy of the handbook on **Good Practice Guide for Wind-driven Rain in High-rise Residential Developments Ver.1.0** can be downloaded from BCA's website via the link below:

<https://www1.bca.gov.sg/about-us/news-and-publications/publications-reports/guidebooks-and-publications>

Clarifications

6 We would appreciate if you could convey the contents of this circular to the members of your organisation. Should you need further clarifications, please submit your enquiry through BCA's Online Feedback Form at <https://www2.bca.gov.sg/feedback/>.

Yours faithfully,

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