
FOREWORD

This publication is the result of a joint research project between staff members from the School and the industry. Applied research with collaboration from the industry is actively encouraged in the National University of Singapore.

This book looks into common problems often found in different types of building facades. These problems have implications in the design, construction and maintenance of buildings. Designers, contractors and owners have an important part to play in the prevention and resolution of these defects. It highlights the need for greater communication and better coordination between parties during the various phases of the development in order to alleviate these problems.

I hope this book will serve as a useful guide to the academic fraternity and practitioners in the construction industry.

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This publication is the result of 2 years of joint intensive study between the National University of Singapore and SETSCO Services Pte Ltd on the durability of building facades in Singapore. The performance of materials or systems used as building facades is one of the least understood among all practitioners in the construction field. Thus this book aims to provide insight into the practical and existing deficiencies as well as the underlying causes of building facade failures. It is a very useful reference for architects

and designers in the design of the facade and selection of appropriate materials, for contractors in the erection of facades and for building managers or owners in maintaining the structures.

SETSCO will continue in our commitment to increase awareness of the building industry through information dissemination, training and participation in industrial research.

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