

THOMAS HERZOG
ROLAND KRIPPNER
WERNER LANG

Facade

ftonngf¹, D[®]0

w

*

2000 12 2

SECOND EDITION

Contents

Imprint	4
Table of contents	5
Foreword	6
Shell, wall, facade – an essay	8
Part A The fundamentals	16
1 External and internal conditions	18
2 General basics of construction	26
2.1 Surfaces – structural principles	26
2.2 Edges, openings	38
2.3 Modular coordination	46
3 Aspects of building physics and planning advice	52
Part B Structures built with specific materials	62
1 Natural stone	64
2 Clay	86
3 Concrete	106
4 Timber	130
5 Metal	158
6 Glass	188
7 Plastics	216
Part C Special topics	236
1 Multilayer glass facades	238
2 Manipulators	266
3 Solar energy	294
4 Integrated facades	322
5 Refurbishing existing facades	328
6 Green facades	336
Appendix	
Authors	342
Image credits	343
Literature	346
Statutory regulations, directives and standards	348
Index	350