

Flat Roof Construction Manual

MATERIALS
DESIGN
APPLICATIONS

SEDLBAUER
SCHUNCK
BARTHEL
KÜNZEL

Birkhäuser
Basel

Edition Detail
Munich

Contents

Preface	6	Part D Design principles	84
Part A Introduction		Klaus Sedlbauer	
The evolution of the flat roof Christian Schittich	8	1 Materials Wolfgang Zillig	86
	10	2 Flat roof construction Christian Bludau, Eberhard Schunck	98
Part B Structure	22	Part E Construction details	118
Rainer Barthel		Eberhard Schunck	
1 Loadbearing structure Matthias Beckh, Mark Böttges, Eberhard Möller, Zoran Novacki	24		
2 Loadbearing decks Matthias Beckh, Mark Böttges, Eberhard Möller	34	Part F Case studies	148
		Examples 1 to 18	150
Part C Building physics	48	Part G Appendix	
Klaus Sedlbauer		Statutory instruments, directives, standards	200
1 Thermal insulation Christian Bludau, Hartwig M. Künzel	50	Bibliography	202
2 Moisture control Hartwig M. Künzel	62	Picture credits	204
3 Fire Ulrich Max	74	Authors	205
4 Sound insulation Philip Leistner, Lutz Weber	78	Index	206
		Index of names	207