Subject Index

A

Adhesion, 113, 252, 335
silicone sealants, 65, 97
Adhesion failure, 37, 280
Adhesion rate, 303
Ageing, 372
Airport, 346
Alkoxy-cure system, 97
Antifungal, 228
Antimicrobial, 228
Asphalt, modified, 262
ASTM C24 standards, 355
ASTM C 836, 88
ASTM C 920, 143
ASTM C 1135, 303
ASTM C 1184, 45, 56
ASTM C 1401, 45
ASTM C 1521, 335
ASTM D 1002, 3
ASTM G 21, 228

B

Backing foam, 171, 184
Backing material, 280
Biocide, 228
Biodeterioration, 228
Bond durability, 143
Bond strength, 113
Braining, 88
Building, 385
Butyl, 262

C

CAN2-19.0-M77, 228
CAN/CGSB-37-58, 88
Carbon arcs, 355
China, curtain walls, 56
Cladding systems, 171, 184
Closed-cell, 171
Cohesive failure, 280
Cold application, 346
Cold liquid-applied waterproofing, 88
Compression, 372
Concrete pavement, 346
Construction joints, 385
Control joint, 280
Curtain wall, 37, 45, 56, 171, 303

D

Degradation, 206
Drainage system, secondary, 3
DSC, 310
Duct leakage, 213
Duct tape, 213
Durability, 3, 65, 97, 113, 303, 325, 355
Durability design, 24
Durability test method, 206

E

Elastomeric sealants, 171, 325, 372
Expansion joint, 280
Exterior cladding, 3

F

Factory applied glazing, 45
Fatigue, 184
cycling, 206
resistance, 156
Field testing, 335
Finite element analysis, 24, 156, 372
Flashing, 262
Flex duct, 213
Float glass, 97, 252
Fluorescent UV lamps, 355

G

GB 16776, 56
Glass curtain wall, 56
Glass-transition temperature, 143

H

Harmonization, 355
Horizontal sealant joint, 280

I

Image analysis, 310
Infiltration, 3
Insulating glazing, 372
Intersection, 156
ISO 846, 228
ISO standards, 355
J
Joint design, 156
Joint geometry, 24
Joint sealing, 346

K
Kraton, 310

L
Leaching, 228
Lock-strip gaskets, 14

M
Maintenance, 346
Mechanical performance, 171, 184
Mechanical property, 325
Microscopy, 310
Modulus, 280
Moisture, 113
Morphology, 310
Movement during cure, 171, 184
Mullins effect, 325

N
NFX 41-514, 228
Nondestructive testing, 335

O
Open-cell, 171

P
Peel adhesion, 143
Penetration resistance, 280
Percolation, 3
Personal injury, 280
Physical-chemical characteristics, 310
Point supports, 24
Polyester powder coating, 65
Polyether, 206
Polysulfide, 206, 310
Polyurethane, 171, 206, 310
Portland cement concrete, 346
Preformed silicone, 14
Primer, 113

Q
Quality assurance, 45

R
Remedial glazing, 45, 303
Remedial weathersealing, 303
Rheology, 143, 325
RILEM TC139-DBS, 206
Rocking movement, 156

S
Sealant failure, 310
Sealant joints, 3, 156, 184, 280, 335, 385
Sealant longevity, 213
Self-leveling sealant, 280
Service life prediction, 385
Shear movement, 156
Silicone, 206, 228, 310
Silicone adhesive, 14
Silicone extrusion, 3
Silicone rubber extrusions, 303
Silicone rubber molded parts, 303
Silicone sealants, 65, 97, 252
Silicone structural glazing, 37, 45, 372
Silyl-terminated polyether, 143
Silyl-terminated polyurethane, 143
Sizing articles, 14
Spalling, 280
Specification, 346
Stress-extension, 325
Stress-relaxation, 372
Stress-strain curve, 372
Structural glazing, 24, 37, 45
Structural sealant glazing, 97
Structural silicone sealant, 45, 56
Surface composition, 252

T
Tension, 372
Testing, 45
TGA, 310
Toxic mold, 335
Triglycidyl isocyanurate, 65

U
UL 181B, 213
Uniaxial load, 372
UV exposure, 252

V
Viscoelasticity, 325
W

Water absorption, 88
Water immersion, 113, 252
Water management, 262
Waterproofing, 88
Wax, 65
Weathering, 228, 310, 355
    artificial, 206
Weatherproofing, 97, 303, 335, 372

Window flashing, 262

X

Xenon arc, 355
Xenon-light, 206

Z

Zipper gaskets, 14