

ACI - PITTSBURGH LIBRARY - COMMITTEE REPORTS

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| 104-71 116R-90 | Preparation of Notation for Concrete (Revised 1982) Cement and Concrete Terminology |
| 117-10 121R-98 122R-14 201.2R-92 201.3R-86 207.1R-05 207.4R-05 207.5R-11 209R-92 209.1R-05 209.2R-08 | Specification for Tolerances for Concrete Construction and Materials and Commentary Quality Management System for Concrete Construction Guide to Thermal Properties of Concrete and Masonry Systems Guide to Durable Concrete Guide for Making a Condition Survey of Concrete Pavements Guide to Mass Concrete Cooling and Insulating Systems for Mass Concrete Report on Roller-Compacted Mass Concrete Prediction of Creep, Shrinkage, and Temperature Effects in Concrete Structures Report on Factors Affecting Shrinkage and Creep of Hardened Concrete Guide for Modeling and Calculating Shrinkage and Creep in Hardened Concrete |
| 211.1-89 211.2-91 211.3R-02 212.3R-10 212.4R-04 213R-87 214-77 214.4R-10 216R-81 216.1-14 221.1R-98 222R-89 222.1-96 222.2R-14 222.3R-03 223R-10 224R-89 224.1R-89 224.2R-92 224.3R-95 226.1R-87 226.3R-87 228.1R-03 228.2R-13 230.1R-09 230R-10 | Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete Standard Practice for Selecting Proportions for Structural Lightweight Concrete Guide for Selecting Proportions for No-Slump Concrete Report on Chemical Admixtures for Concrete Guide for the Use of High-Range, Water-Reducing Admixtures "Superplasticizers" in Concrete Guide for Structural Lightweight Aggregate Concrete Recommended Practice for Evaluation of Strength Test Results of Concrete Guide for Obtaining Cores and Interpreting Compressive Strength Results Guide for Determining the Fire Endurance of Concrete Elements Code Requirements for Determining Fire Resistance of Concrete and Masonry Construction Assemblies State-of-the-Art Report on Alkali-Aggregate Reactivity Corrosion of Metals in Concrete Provisional Standard Test Method for Water-Soluble Chloride Available for Corrosion of Embedded Steel in Mortar and Concrete Using the SOXHLET Extractor Report on Corrosion of Prestressing Steels Design and Construction Practices to Mitigate Corrosion Reinforcement in Concrete Structures Guide for the Use of Shrinkage Compensating Concrete Control of Cracking in Concrete Structures Causes, Evaluation, and Repair of Cracks in Concrete Structures Cracking of Concrete Members in Direct Tension Joints in Concrete Construction Ground Granulated Blast-Furnace Slag as a Cementitious Constituent in Concrete Use of Fly Ash in Concrete In-Place Methods to Estimate Concrete Strength Report on Nondestructive Test Methods for Evaluation of Concrete in Structures Report on Soil-Cement Report on Early-Age Cracking: Causes, Measurement, and Mitigation |

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| 232.1R-12 | Report on the Use of Raw or Processed Natural Pozzolans in Concrete |
| 232.2R-03 | Use of Fly Ash in Concrete |
| 232.3R-14 | Report on High-Volume Fly Ash Concrete for Structural Applications |
| 233R-03 | Slag Cement in Concrete and Mortar |
| 234R-06 | Guide for the Use of Silica Fume in Concrete |
| 237R-07 | Self-Consolidating Concrete |
| 238.1R-08 | Report on Measurements of Workability and Rheology of Fresh Concrete |
| 301-05 | Specifications for Structural Concrete |
| 302.1R-04 | Guide for Concrete Floor and Slab Construction |
| 301.2R-06 | Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials |
| 303R-91 | Guide to Cast-In-Place Architectural Concrete Practice |
| 304R-89 | Guide for Measuring, Mixing, Transporting, and Placing Concrete |
| 304.1R-92 | Guide for the Use of Preplaced Aggregate Concrete for Structural and Mass Concrete Applications |
| 304.2R-91 | Placing Concrete by Pumping Methods |
| 304.3R-96 | Heavyweight Concrete: Measuring, Mixing, Transporting, and Placing |
| 304.5R-91 | Batching, Mixing, and Job Control of Lightweight Concrete |
| 305R-10 | Guide to Hot-Weather Concreting |
| 306R-88 | Cold Weather Concreting |
| 306.1-87 | Standard Specification for Cold Weather Concreting |
| 307-08 | Code Requirements for Reinforced Concrete Chimneys and Commentary |
| 308-92 | Standard Practice for Curing Concrete |
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| 309R-05 | Guide for Consolidation of Concrete |
| 309.1R-93 | Behavior of Fresh Concrete During Vibration |
| 309.2R-98 | Identification and Control of Visible Effects of Consolidation on Formed Concrete Surfaces |
| 309.3R-92 | Guide to Consolidation of Concrete in Congested Areas |
| 311-75 | Recommended Practice for Concrete Inspection |
| 311.4R-05 | Guide for Concrete Inspection |
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| 311.6-09 | Specification for Ready-Mixed Concrete Testing Services |
| 313R-91 | Standard Practice for Design and Construction of Concrete Silos and Stacking Tubes for Storing Granular Materials and Commentary |
| 316R-82 | Recommendations for Construction of Concrete Pavements and Concrete Bases |
| 318-14 | Building Code Requirements for Structural Concrete |
| 318R-14 | Commentary on Building Code Requirements for Structural Concrete |
| 322-72 | Building Code Requirements for Structural Plain Concrete |
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| 325.1R-67 | Design of Concrete Overlays for Pavements |
| 325.9R-91 | Guide for Construction of Concrete Pavements and Concrete Bases |
| 330R-87 | Guide for Design and Construction of Concrete Parking Lots |
| 330.1-14 | Specification for Unreinforced Concrete Parking Lots and Site Paving |
| 332-10 | Residential Code Requirements for Structural Concrete and Commentary |
| 343.1R-12 | Guide for the Analysis and Design of Reinforced and Prestressed Concrete Guideway Structures |
| 345R-11 | Guide for Concrete Highway Bridge Deck Construction |

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| 345.1R-06 | Guide for Maintenance of Concrete Bridge Members |
| 345.2R-13 | Guide for Widening Highway Bridges |
| 346-09 | Specification for Cast-In-Place Concrete Pipe |
| 347-04 | Guide to Formwork for Concrete |
| 347.2R-05 | Guide for Shoring/Reshoring of Concrete Multistory Buildings |
| 349-06 | Code Requirements for Nuclear Safety-Related Concrete Structures and Commentary |
| 349.1R-07 | Reinforced Concrete Design for Thermal Effects on Nuclear Power Plant Structures |
| 349.2-07 | Guide to the Concrete Capacity Design (CCD) Method-Embedment Design Examples |
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| 351.2R-10 | Report on Foundations for Static Equipment |
| 351.3R-04 | Foundations for Dynamic Equipment |
| 352R-02 | Recommendations for Design of Beam-Column Connections in Monolithic Reinforced Concrete Structures |
| 355.2-04 and 355.2R-04 | Qualification of Post-Installed Mechanical Anchors in Concrete and Commentary |
| 355.4-11 | Qualification of Post-Installed Adhesive Anchors in Concrete and Commentary |
| 357R-84 | Guide for the Design and Construction of Fixed Off-Shore Concrete Structures |
| 357.1R-85 | State-of-the-Art Report on Off-Shore Concrete Structures for the Arctic |
| 357.2R-10 | Report on Floating and Float-In Concrete Structures |
| 357.3R-14 | Guide for Design and Construction of Waterfront Coastal Concrete Marine Structures |
| 360R-10 | Guide to Design of Slabs on Ground |
| 361R-86 | Composite Concrete and Steel High-Pressure Vessels for General Industrial Use |
| 362R-85 | State-of-the-Art Report on Parking Structures |
| 362.1R-12 | Guide for the Design and Construction of Durable Concrete Parking Structures |
| 363R-10 | Report on High-Strength Concrete |
| 363.2R-11 | Guide to Quality Control and Assurance of High-Strength Concrete |
| 364.3R-09 | Guide for Cementitious Repair Material Data Sheet |
| 371R-98 | Guide for the Analysis, Design, and Construction of Concrete-Pedestal Water Towers |
| 372R-13 | Guide to Design and Construction of Circular Wire-and-Strand-Wrapped Prestressed Concrete Structures |
| 374.1-05 | Acceptance Criteria for Moment Frames Based on Structural Testing and Commentary |
| 374.2R-13 | Guide for Testing Reinforced Concrete Structural Elements Under Slowly Applied Simulated Seismic Loads |
| 334.1R-92 | Concrete Shell Structures Practice and Commentary |
| 334.3R-05 | Construction of Concrete Shells Using Inflated Forms |
| 336.1 and 336.1R-98 | Reference Specifications for the Construction of Drilled Piers and Commentary |
| 343R-88 | Analysis and Design of Reinforced Concrete Bridge Structures |
| 408.2R-12 | Report on Bond of Steel Reinforcing Bars Under Cyclic Loads |
| 408.3R-09 | Guide for Lap Splice and Development Length of High Relative Rib Area Reinforcing Bars in Tension and Commentary |
| 421.1R-08 | Guide for Shear Reinforcement for Slabs |
| 421.2R-10 | Guide to Seismic Design of Punching Shear Reinforcement in Flat Plates |
| 423.3R-05 | Recommendations for Concrete Members Prestressed with Unbonded Tendons |

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| 423.4R-14 | Report on Corrosion and Repair of Unbonded Single Strand Tendons |
| 423.7-14 | Specification for Unbonded Single-Strand Tendon Materials |
| 423.8R-10 | Report on Corrosion and Repair of Grouted Multistrand and Bar Tendon Systems |
| 423.9M-1 | Test Method for Bleed Stability of Cementitious Post-Tensioning Tendon Grout (Metric) |
| 437R-91 | Strength Evaluation of Existing Concrete Buildings |
| 439.4R-09 | Report on Steel Reinforcement- Material Properties and US Availability |
| 440R-96 | State-of-the-Art Report on Fiber-Reinforced Plastic Reinforcement for Concrete Structures |
| 440.1R-01 | Guide for the Design and Construction of Concrete Reinforced with FRP Bars |
| 440.3R-12 | Guide Test Methods for Fiber Reinforced Polymer "FRP" Composites for Reinforcing or Strengthening Concrete and Masonry Structures |
| 440.5-08 | Specification for Construction with Fiber-Reinforced Polymer Reinforcing Bars |
| 440.7R-10 | Guide for the Design and Construction of Externally Bonded Fiber-Reinforced Polymer Systems for Strengthening Unreinforced Masonry Structures |
| 442R-88 | Response of Concrete Buildings to Lateral Forces |
| 446.4R-04 | Report on Dynamic Fracture of Concrete |
| 503R-93 | Use of Epoxy Compounds with Concrete |
| 503.3-10 | Specification for Producing a Skid-Resistant Surface on Concrete by the Use of Epoxy and Aggregate |
| 503.1-92 | Standard Specification for Bonding Hardened Concrete, Steel, Wood, Brick, and Other Materials to Hardened Concrete with a Multi-Component Epoxy Adhesive |
| 503.2-92 | Standard Specification for Bonding Plastic Concrete to Hardened Concrete with a Multi-Component Epoxy Adhesive |
| 503.3-92 | Standard Specification for Producing a Skid-Resistant Surface on Concrete by the Use of a Multi-Component Epoxy System |
| 503.4-92 | Standard Specification for Repairing Concrete with Epoxy Mortars |
| 503.5R-92 | Guide for the Selection of Polymer Adhesives with Concrete |
| 503.6R-97 | Guide for the Application of Epoxy and Latex Adhesives for Bonding Freshly Mixed and Hardened Concretes |
| 506R-05 | Guide to Shotcrete |
| 506.1R-08 | Guide to Fiber-Reinforced Shotcrete |
| 506.2-95 | Specification for Shotcrete |
| 506.3R-91 | Guide for Certification of Shotcrete Nozzle Men |
| 506.5R-09 | Guide for Specifying Underground Shotcrete |
| 515.1R-79 | A Guide to the Use of Waterproofing, Dampproofing, Protective, and Decorative Barrier Systems for Concrete |
| 515.2R-13 | Guide to Selecting Protective Treatments for Concrete |
| 517.2R-80 | Accelerated Curing of Concrete at Atmospheric Pressure- State-of-the-Art |
| 522R-10 | Report on Pervious Concrete |
| 522.1-13 | Specification for Pervious Concrete Pavement |
| 523.1R-92 | Guide for Cast-In-Place Low-Density Concrete |
| 523.2R-96 | Guide for Precast Cellular Concrete Floor, Roof, and Wall Units |
| 523.3R-75 | Guide for Cellular Concretes Above 50 pcf, and for Aggregate Concretes Above 50 pcf with Compressive Strengths Less Than 2500 psi |
| 523.4R-09 | Guide for Design and Construction with Autoclaved Aerated Concrete Panels |
| 530-05 | Building Code Requirements for Masonry Structures |

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| 530.1-05 | Specification for Masonry Structures |
| 530-05 | Commentary on Building Code Requirements for Masonry Structures |
| 530.1-05 | Commentary on Specification for Masonry Structures |
| 533.1R-02 | Design Responsibility for Architectural Precast Concrete Projects |
| 543R-12 | Guide to Design, Manufacture, and Installation of Concrete Piles |
| 544.1R-96 | Fiber-Reinforced Concrete |
| 544.3R-08 | Guide for Specifying, Proportioning, and Production of Fiber-Reinforced Concrete |
| 544.5R-10 | Report on the Physical Properties and Durability of Fiber-Reinforced Concrete |
| 546R-14 | Guide to Concrete Repair |
| 546.2R-10 | Guide to Underwater Repair of Concrete |
| 547R-79 | Refractory Concrete |
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| 548.6R-96 | Polymer Concrete- Structural Applications- State-of-the-Art Report |
| 548.7-04 | Test Method for Load Capacity Polymer Concrete Underground Utility Structures |
| 548.8-07 | Specification for Type EM "Epoxy Multi-Layer" Polymer Overlay for Bridge and Parking Garage Decks |
| 548.9-08 | Specification for Type ES "Epoxy Slurry" Polymer Overlay for Bridge and Parking Garage Decks |
| 548.10-10 | Specification for Type MMS "Methyl Methacrylate Slurry" Polymer Overlay for Bridge and Parking Garage Decks |
| 548.11R-12 | Guide for the Application of Epoxy and Latex Adhesives for Bonding Freshly Mixed and Hardened Concretes |
| 548.13-14 | Specifications for Bonding Fresh Concrete to Hardened Concrete with a Multi-Component Epoxy Adhesive |
| 549.2R-04 | Report on Thin Reinforced Cementitious Products |
| 549.3R-09 | Report on Glass Fiber-Reinforced Concrete Premix |
| 549.4R-13 | Guide to Design and Construction of Externally Bonded Fabric-Reinforced Cementitious Matrix "FRCM" Systems for Repair Strengthening Concrete and Masonry Structures |
| 550R-93 | Design Recommendations for Precast Concrete Structures |
| 550.1R-09 | Guide to Emulating Cast-In-Place Detailing for Seismic Design of Precast Concrete Structures |
| 550.3-13 | Design Specification for Unbonded Post-Tensioned Precast Concrete Special Moment Frames Satisfying ACI 374.1 "550.3-13" and Commentary |
| 551R-92 | Tilt-Up Concrete Structures |
| 551.1R-14 | Guide to Tilt-Up Concrete Construction |
| 551.2R-10 | Design Guide for Tilt-Up Panels |