

ACI 303R-12

**Guide to Cast-in-Place
Architectural Concrete Practice**

Reported by ACI Committee 303



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Guide to Cast-in-Place Architectural Concrete Practice

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The committee would like to thank the late Louis Tallarico for his contribution to this guide.

This guide presents recommendations for producing cast-in-place architectural concrete. The importance of specified materials, forming, concrete placement, curing, additional treatment, inspection, and their effect on the appearance of the finished product are discussed. Architectural concrete requires special construction techniques, materials, and requirements that are unique to each project. The specific recommendations and information presented in this guide should be used accordingly.

Keywords: admixture; aggregate; architectural concrete; beam; bush-hammer; cement; coating; column; consolidation; cracking; curing; deflection; exposed-aggregate finish; finish; form lining; formwork; joint; joint sealant; mixture proportion; pigment; placing; quality control; release agent; repair; retarder; sealant; texture; wall.

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