

# **Guide for Selecting Proportions for High-Strength Concrete Using Portland Cement and Other Cementitious Materials**

Reported by ACI Committee 211



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## **Guide for Selecting Proportions for High-Strength Concrete Using Portland Cement and Other Cementitious Materials**

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Reported by ACI Committee 211

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The committee would like to recognize Tony Kojundic, Robert Lewis, and Michael Gardner for their significant contributions to this report.

*This guide presents general methods for selecting mixture proportions for high-strength concrete and optimizing these mixture proportions on the basis of trial batches. The methods are limited to high-strength concrete containing portland cement and fly ash, silica fume, or slag cement (formerly referenced as ground-granulated blast-furnace slag) and produced using conventional materials and production techniques.*

*Recommendations and tables are based on current practice and information provided by contractors, concrete suppliers, and engineers who have been involved in projects dealing with high-strength concrete.*

**Keywords:** aggregate; fly ash; high-range water-reducing admixture; high-strength concrete; mixture proportion; quality control.

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