

# **Guide for the Use of Shrinkage-Compensating Concrete**

Reported by ACI Committee 223



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## Guide for the Use of Shrinkage-Compensating Concrete

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# Guide for the Use of Shrinkage-Compensating Concrete

Reported by ACI Committee 223

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*Shrinkage-compensating concrete is used in construction to minimize drying-shrinkage cracking. Its characteristics are similar to those of portland-cement concrete. The materials, proportions, placement, and curing should ensure that expansion compensates for subsequent drying shrinkage.*

*This guide sets forth criteria and practices to ensure the development of expansive strain in concrete. In addition to a discussion of basic principles, methods and details are given covering structural design, concrete mixture proportioning, placement, finishing, and curing.*

*The materials, processes, quality control measures, and inspections described in this document should be tested, monitored, or performed as applicable only by individuals holding the appropriate ACI Certifications or equivalent.*

**Keywords:** cement, calcium; cement, expansion; concrete, shrinkage-compensating; cracking, shrinkage; mixture proportions; restraints; shrinkage, drying; slab-on-ground; structural design.

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