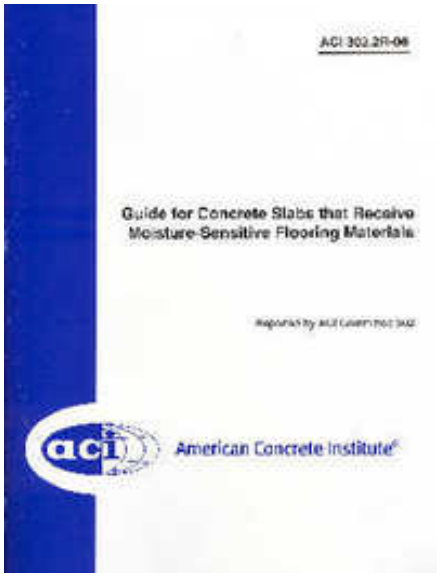
Concrete Floor Preparation Parameters & Publications:

ACI 302.2R-06; Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials; ACI Committee 302; ISBN: 9780870312205; 2006; **Order Code: 302206**.

Abstract; ACI 302.2R-06: This guide contains materials, design, and construction recommendations for concrete slabs-on-ground and suspended slabs that are to receive moisture-sensitive flooring materials. These flooring materials include sheet rubber, epoxy coatings, vinyl composition tile, sheet vinyl, carpet, athletic flooring, laminates, and hardwood. Chapters 1 through 8 provide an understanding of concrete moisture behavior and drying, and show how recommended construction practices can contribute to successful performance of floor covering materials. This background provides a basis for the recommendations in Chapter 9 to improve performance of floor covering materials in contact with concrete moisture and alkalinity.



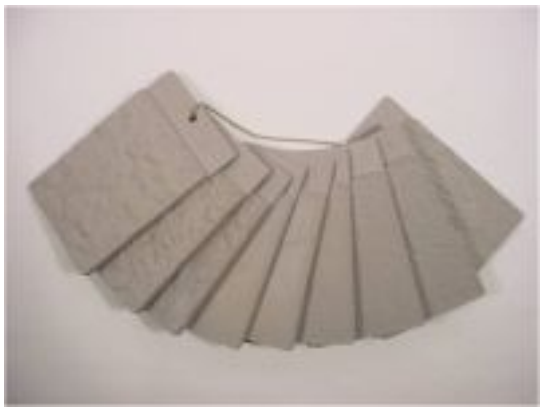
Because this guide is specific to floor moisture problems and solutions, refer to the most current editions of both ACI 302.1R, "Guide for Concrete Floor and Slab Construction," and ACI 360R, "Design of Slabs-on-Ground," for general information. These two documents contain guidance on floor design and construction that is needed to achieve successful floor covering performance.

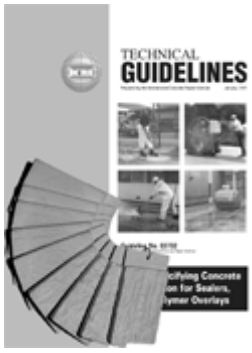
Keywords: admixtures; cracking; curing; curling; drying; mixture proportioning; moisture movement; moisture test; relative humidity; slab-on-ground; specifications; vapor retarder/barrier.

ICRI TECHNICAL GUIDELINE; NO. 310.2-1997 *Formerly Guideline No 03732* **(www.icri.org);** Title: **Selecting and Specifying Concrete Surface Preparation for Coatings, Sealers, and Polymer Overlays.** 1997; CSP: Concrete Surface Profile; Order Code: G03732P.

Abstract: Summarizes the capabilities, operating requirements, and limitations of the various methods used to prepare concrete surfaces for the application of protective sealers, coatings, and polymer overlays. Benchmark profiles are included which provide visual standards for purposes of specification, application, and verification. Included in the package deal is are the "CSP Chips" that show the various CSP values in a rubber sample presentation from a CSP 1 to a CSP 9.

These "Chips" come with the full 310.2 package and are a bit pricy, but worth it as they do show in 3D the CSP values. They can be very handy on a job, especially if the shot blasting is sub-contracted, to verify proper CSP value prep work.





ACI 201.2R-08; (www.concrete.org); Guide to Durable Concrete; ACI Committee 201; 2008; ISBN: 9780870312847; **Order Code: 201208**

Abstract; ACI 201.2R-08: This guide describes specific types of concrete deterioration. Each chapter contains a discussion of the mechanisms involved and the recommended requirements for individual components of concrete, quality considerations for concrete mixtures, construction procedures, and influences of the exposure environment, which are important considerations to ensure concrete durability.

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This guide was developed for conventional concrete but generally applicable to specialty concretes; however, specialty concretes, such as roller-compacted or pervious concrete, may have unique durability-related issues that deserve further attention that are not addressed herein. Readers should consult other ACI documents for more detailed information on special concretes of interest.

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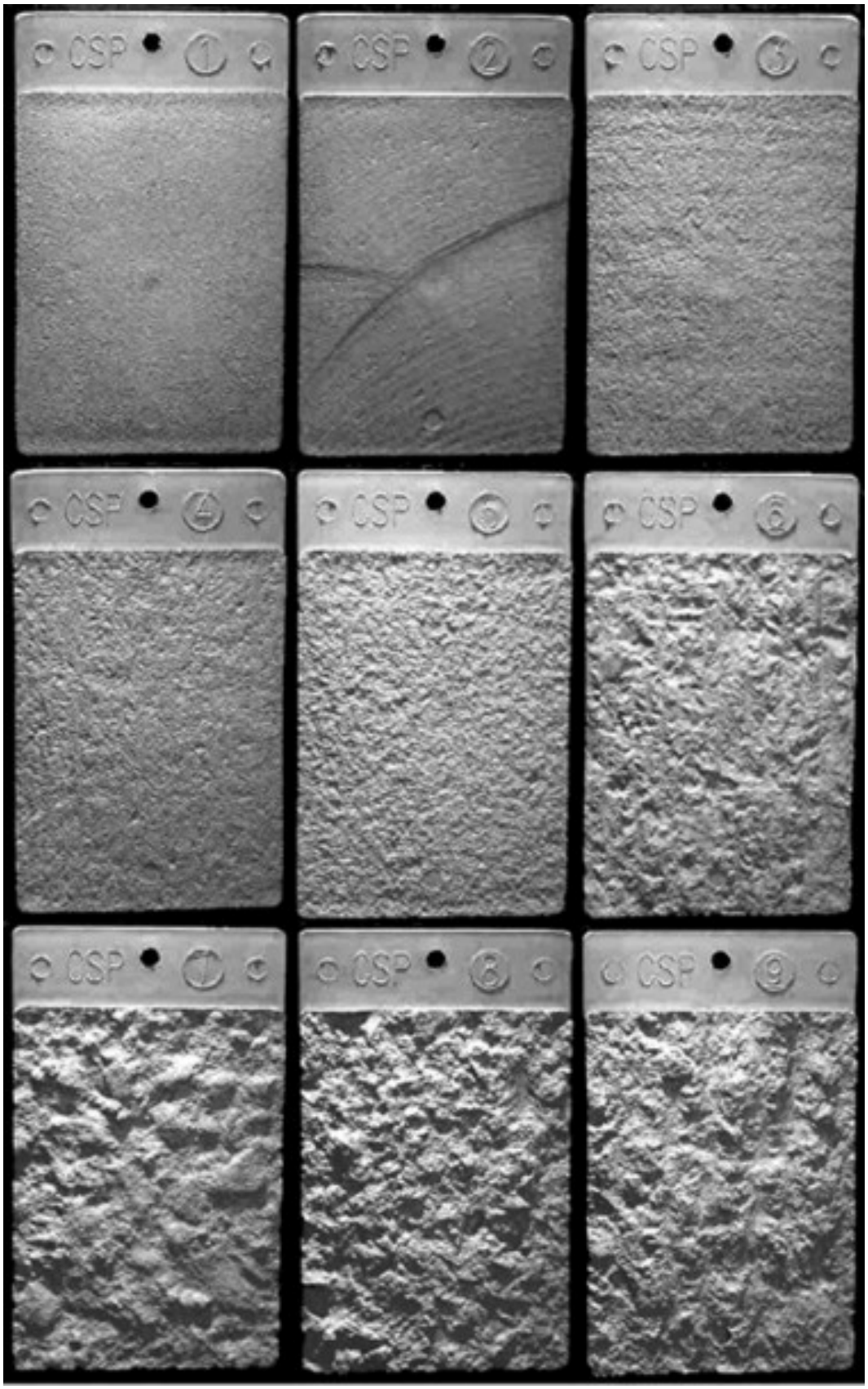
Keywords: abrasion resistance; acid attack; admixture; aggregate; air entrainment; alkali-aggregate reaction; calcium chloride; carbonation; cement paste; corrosion; curing; deicer; deterioration; durability; fly ash; freezing and thawing; mixture proportion; petrography; pozzolan; reinforced concrete; salt scaling; sea water exposure; silica fume; skid resistance; spalling; strength; sulfate attack; supplementary cementitious materials; temperature; water-cementitious material ratio.

CSP Values; Concrete Surface Profile



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International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) Scale