







## 2007-2009 PCA Research and Technical Reports

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Bibliographic Reference	PCA R&D Project No.	PCA Code No.
<b>CEMENT TECHNOLOGY (Product Standards &amp; Technology)</b>		
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 <i>Cement Research Library</i> , Portland Cement Association, Skokie, Illinois, 2008.		<a href="#">DVD025</a>
<i>Control of Portland Cement Quality</i> , Portland Cement Association, Skokie, Illinois, 2007.		<a href="#">EB121</a>
<i>Effect of Portland Cement Fineness on ASTM C1260 Expansion</i> , Portland Cement Association, Skokie, Illinois, 2008.	F05-05	<a href="#">SN2963</a>
 <i>Effect of Portland Cement Fineness on ASTM C 1260 Expansion</i> , Journal of Testing and Evaluation, Vol. 36, No. 5, September 2008, 6 pages.	F05-05	SN2963a
<i>Effect of Use of Limestone on Various Properties of Portland Cement - Part II</i> , Portland Cement Association, Skokie, Illinois, SN2891a, 2008, 27 pages.	05-07a	<a href="#">SN2891a</a>
<i>Hydration of Cement</i> , Portland Cement Association, Skokie, Illinois, 2007.		<a href="#">DVD007</a>
 <i>Lehigh Valley and Beyond: the Cement Industry in Photograph</i> , Portland Cement Association, Skokie, Illinois, 2008.		<a href="#">DVD009</a>
 <i>New Approach Measuring the Sulfate Resistance of Cements</i> , First International Conference on Recent Advances in Concrete Technology, Washington, D.C.,	99-07	SN2486c
 <i>Not Your Father's Specifications (Perhaps): Significant Changes to ASTM Cement Specifications Over the Last Few Years</i> , The Cement Chemists' Society Science and Technology Newsletter, Vol. 12, Issue 1, 2008, pages 2-4.		SN2776









\*This compilation includes research reports and related technical reports from PCA's Market Development and Technical Services programs.













MS375.22








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	<i>Proceedings of the 12th International Congress on the Chemistry of Cement</i> , Portland Cement Association, Skokie, Illinois, 2007.		<a href="#">CD077</a>
	<i>Report of the Workshop on Nanotechnology for Cement and Concrete</i> , National Concrete Pavement Technology Center, Ames, Iowa, 2007.		<a href="#">SN3058</a>
	<i>Revision of Test Methods and Specifications for Controlling Heat of Hydration in Hydraulic Cement</i> , Portland Cement Association, Skokie, Illinois, USA, 2007.	06-05	<a href="#">SN3007</a>
	<i>The Distribution of Sulfate in Hydrated Portland Cement Paste</i> , 12th International Congress on the Chemistry of Cement, Montreal, July 8-13, 2007.	02-09	SN3008
	<i>The White Stuff</i> , Concrete Décor, Vol. 8, No. 5, August 2008, pages 32-39.		<a href="#">SN3078</a>
	<i>U.S. and Canadian Cement Characteristics: 2004</i> , Portland Cement Association, Skokie, Illinois, 2008.		<a href="#">SN2879</a>
<b>CONCRETE TECHNOLOGY</b> <b>(Product Standards &amp; Technology &amp; Construction Technology)</b>			
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	<i>Comparison of Mortar Leaching Methods</i> , Portland Cement Association, Skokie, Illinois, 2007.	90-07a	<a href="#">SN2660</a>
	<i>Concrete Floors and Moisture</i> , Portland Cement Association, Skokie, Illinois, 2008.		<a href="#">EB119.02</a>
	<i>Concrete Floors on Ground</i> , Portland Cement Association, Skokie, Illinois, 2008.		<a href="#">EB075.04</a>
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	<i>Effect of Relative Humidity on Expansion and Microstructure of Heat-Cured Mortars</i> , Portland Cement Association, Skokie, Illinois, 2007.	02-16	<a href="#">RD139</a>


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<i>Evaluation of Potential Concrete Deterioration Related to Magnesium Chloride (MgCl<sub>2</sub>) Deicing Salts</i> , Portland Cement Association, Skokie, Illinois, 2007.	03-11	<a href="#">SN2770</a>
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<i>Guide Specification for Concrete Subject to Alkali-Silica Reactions</i> , Portland Cement Association, Skokie, Illinois, 2007.		<a href="#">IS415.07</a>
 <i>Identifying Incompatible Combinations of Concrete Materials: - Volume III - Additional Appendices</i> , Portland Cement Association, Skokie, Illinois, 2008, 90 pages.	03-10	<a href="#">SN2897c</a>
 <i>Lab and Exercise Manual of Concrete Construction</i> , Portland Cement Association, Skokie, Illinois, 2008.		<a href="#">CD073</a>
<i>Long-Term Performance of Concrete in the PCA Outdoor Test Facility</i> , 9th CANMET/ACI International Conference on Fly Ash, Silica Fume, Slag and Natural Pozzolans, 2007.		SN2158c
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<i>Material Incompatibility—Identifying and Preventing Problems</i> , Concrete Construction, Vol. 52, No. 1, January 2007, pages 95-102.	03-10	<a href="#">SN2798d</a>
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<i>Optimizing the Use of Fly Ash in Concrete</i> , Portland Cement Association, Skokie, Illinois, 2007.		<a href="#">IS548</a>
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<i>Pisos Industriales de Concreto</i> , IMCYC/Portland Cement Association, Skokie, Illinois, USA, 2008.		<a href="#">EB175</a>




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	<i>Shapes in Stone: Images of Concrete Architecture from PCA's Photo Archive</i> , Portland Cement Association, Skokie, Illinois, 2007.		<a href="#">DVD033</a>
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	<i>Test Methods for Water-Soluble Sulfate in Soils</i> , Portland Cement Association, Skokie, Illinois, 2007.	05-10	<a href="#">SN3016</a>
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	<i>Understanding Cement-SCM Admixture Interaction Issues</i> , Concrete International, Vol. 29, American Concrete International, Farmington, Michigan, 2007, pages 33-41.		<a href="#">SN3004</a>
ENGINEERED BUILDINGS & TRANSPORTATION STRUCTURES			
	<i>Analysis and Design of Slab Track Laboratory Specimens</i> , Portland Cement Association, Skokie, Illinois, 2007, 90 pages.	01-06	<a href="#">SN2795a</a>
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	<i>Life Cycle Benefit of Slab Track</i> , Portland Cement Association, 2008, 60 pages.	01-06c	<a href="#">SN2860</a>
	<i>Model Development for the Evaluation of Cost-Effectiveness of Concrete Framing Systems for Low-, Mid- and High-Rise Buildings</i> , Portland Cement Association, Skokie, Illinois, 2007, 297 pages.	F05-03	<a href="#">SN3032</a>
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	<i>Response Verification of a Reinforced Concrete Bearing Wall Building Located in an Area of High Seismic Hazard</i> , Portland Cement Association, Skokie, Illinois, 2009, 40	05-09	<a href="#">SN2961</a>
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	<i>An Investment that Pays Off</i> , World Cement, Surrey, United Kingdom, January 2008.		<a href="#">SN3060</a>
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	<i>Hexavalent Chromium in Cement Manufacturing: Literature Review</i> , Portland Cement Association, Skokie, Illinois, 2007, 16 pages.	M05-04	<a href="#">SN2983</a>
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