



*The following is a list of research reports available studying the 2205 stainless steel PC strand produced by Sumiden Wire Products Corporation.*

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**Research Reports and Articles for 2205 Stainless Steel PC Strand:**

1. Moser R, Holland B, Kahn L, Singh P, Kurtis K, (2011). "Durability of Precast Prestressed Concrete Piles in Marine Environment: Reinforcement Corrosion and Mitigation, Part 1", GDOT Research Project No. 07-30, Georgia DOT, June 2011  
<http://www.dot.ga.gov/BuildSmart/research/Documents/07-30.pdf>
2. Moser R, Singh P, Kahn L, Kurtis K, (2011). "Durability of Precast Prestressed Concrete Piles in Marine Environment, Part 2, Volume 2: Stainless Steel Prestressing Steel and Wire", GDOT Research Project No. 10-26, Georgia DOT, June 2012  
<http://www.dot.ga.gov/BuildSmart/research/Documents/GDOT RP 10-26 Final Report Pile Durability Part 2 Vol 2.pdf>
3. Mullins G, Sen R, Sagues A, (2014). "Design and Construction of Precast Piles with Stainless Reinforcing Steel", Report No. BDK-84977-07, University of South Florida, for Florida DOT, February 2014.  
[http://www.fdot.gov/research/Completed\\_Proj/Summary\\_STR/FDOT-BDK84-977-07-rpt.pdf](http://www.fdot.gov/research/Completed_Proj/Summary_STR/FDOT-BDK84-977-07-rpt.pdf)
4. Paul A, Kahn L.F, Kurtis K.E, (2015). "Corrosion-Free Precast Prestressed Concrete Piles Made with Stainless Steel Reinforcement: Construction Test and Evaluation", Report No. FHWA-GA-15-1134, Georgia Institute of Technology, for Georgia Department of Transportation, March 2015.  
[http://g92018.eos-intl.net/eLibSQL14\\_G92018\\_Documents/11-34.pdf](http://g92018.eos-intl.net/eLibSQL14_G92018_Documents/11-34.pdf)
5. Paul A, Gleich L, Kahn L, (2017). "Transfer and development length of high-strength duplex stainless steel strand in prestressed concrete piles", PCI Journal, May-June 2017.  
[http://www.pci.org/Publications/PCI\\_Journal/2017/May-June/DOI/Transfer\\_and\\_development\\_length\\_of\\_high-strength\\_duplex\\_stainless\\_steel\\_strand\\_in\\_prestressed\\_concrete\\_piles/](http://www.pci.org/Publications/PCI_Journal/2017/May-June/DOI/Transfer_and_development_length_of_high-strength_duplex_stainless_steel_strand_in_prestressed_concrete_piles/)
6. Russell H, (2018). "Structural Design Using Stainless Steel Strands", PCI Aspire, Spring 2018.  
<http://www.aspiremagazinebyengineers.com/publication/?m=61068&i=609804&p=22>

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7. Brown K, (2018). "Production of Prestressed Concrete Piles Using Stainless Steel Strand", PCI Aspire, Spring 2018.  
<http://www.aspiremagazinebyengineers.com/publication/?m=61068&i=609804&p=32>

*This page contains links to research performed studying the coupling of 2205 stainless steel with carbon steel.*

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#### **Galvanic Corrosion Information for 2205 Stainless Steel Coupled with Carbon Steel:**

1. Qu, D., Qian, S. Y., Baldock, B., (2006) "Galvanic effect induced by coupling of stainless steel and carbon steel reinforcements", National Research Council Canada, October 2006  
<http://nparc.cisti-icist.nrc-cnrc.gc.ca/eng/view/accepted/?id=6151cd7b-eeb2-4ff4-a807-1fd6a439d743>
2. Markeset G, Rostam S, Klinghoffer O, (2006). "Guide for the use of stainless steel reinforcement in concrete structures", Nordic Innovation Centre project – 04118, Project report 405, 2006  
[www.sintef.com/globalassets/upload/byggforsk/publikasjoner/prrapp-405.pdf](http://www.sintef.com/globalassets/upload/byggforsk/publikasjoner/prrapp-405.pdf)
3. Euro Inox, (2009) "Stainless Steel in Contact with Other Metallic Materials", Euro Inox, 2009  
[www.worldstainless.org/Files/issf/non-image-files/PDF/Euro\\_Inox/Contact\\_with\\_Other\\_EN.pdf](http://www.worldstainless.org/Files/issf/non-image-files/PDF/Euro_Inox/Contact_with_Other_EN.pdf)
4. Concrete Society, (1998) "TR51 Guidance on the use of stainless steel reinforcement", Concrete Society, 1998 (THIS DOCUMENT IS NOT FREE)  
<http://www.concretebookshop.com/tr51-guidance-on-the-use-of-stainless-steel-reinforcement-1821-p.asp>