

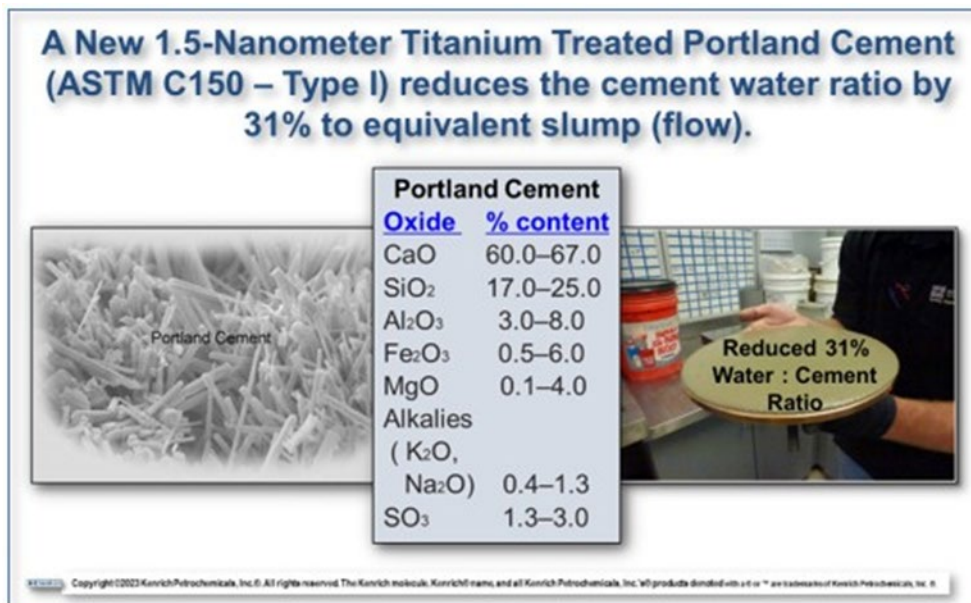
PRESS RELEASE – February 9, 2023

NEW NANO-TITANIUM ORGANO-FUNCTIONALIZED ORDINARY PORTLAND CEMENT BREAKTHROUGH

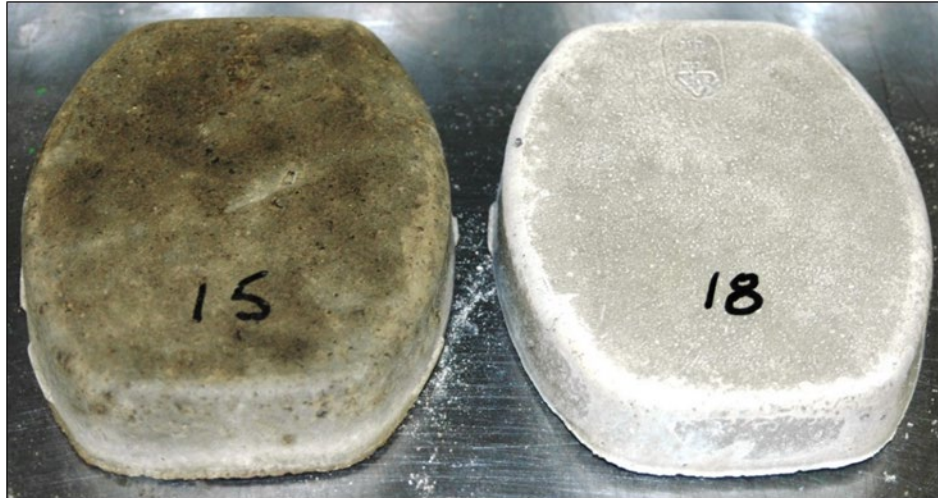
Salvatore J. & Erika G. Monte – owners of **S&E Innovative Technologies, LLC** and **Kenrich Petrochemicals, Inc.** – are pleased to announce the issuance on Feb. 7, 2023 of U.S. Patent No. 11,572,309, entitled “*Construction Materials, Compositions and Methods of Making Same*” (see attachment).

The patent protects nano-Titanium surface modification of Ordinary Portland Cement. This novel modification to Ordinary Portland Cement significantly increases strength and provides other benefits, as the amount of water needed for flow is reduced by one-third. Enhanced applications include 3-D printing and compatibilization of cement with organic materials such as polyethylene fabric, carbon, graphene, bio-based organic materials, inorganics, and polymers.

Monte explains, “once the metal oxides that make-up the Portland cement are organo-titanium functionalized the result is: Greater compression strength; efflorescence elimination; faster mix cycles; polymer compatibilization with epoxy, hydrocarbons such as oil, asphalt and plastics; prevention of rebar corrosion; more uniform cell structure in cement foam; more flexible structures for improved earthquake resistance; and the creation of ageless and beautiful concrete structures.”



The proprietary titanate coupling agent, trade named Ken-React® KCM-3E, additionally finds application for the compatibilization of otherwise incompatible materials. Monte explains: “The nano-interface of dissimilar materials provide almost unlimited avenues for more efficient use of raw materials – sustainability and innovation.”



**Oil-Soaked Seawater Sand/OPC/Water
(left) No Additive - (right) Nano-Organo-Titanium**

Monte has a track record of commercial success in cosmetics, digital copier toner, micro-electronics, energetic composites, rocket fuel, prevention of unplanned detonation of propellants, TITANIUM golf balls, smart coatings, conductive inks, plastics, rubber, and recycle. Monte's 33 patents and invention applications are outlined in ~500 American Chemical Society Abstracts of "Works by S. J. Monte".

SEEKING A LICENSEE: "The nano-Titanium organo-functionalization of the cement interface involves precision application under controlled conditions in a modern Portland cement plant and we are seeking to license the technology to cement producers under the direction of our patent attorneys **Fox Rothschild LLP**", says Monte.

BIOGRAPHY

Salvatore J. Monte, President of Kenrich Petrochemicals, Inc.; Bachelor Civil Engineering-Structures, Manhattan College; M.S.-Polymeric Materials, NYU Tandon School of Engineering; Member Plastics Hall of Fame 2021-the Plastics Academy; Society Plastics Engineers Fellow & Honored Service Member; Licensed P.E.; S&E Innovative Technologies, LLC – Principal Member; Plastics Industry Association Recycle Subcommittee-Compatibilizers; Board of Governors, Plastics Pioneers Association-MTS Newsletter Chair; 33-U.S. Patents filed worldwide; Lectured Worldwide on Titanate & Zirconate Coupling agents; ~500-American Chemical Society CAS Abstracts of published "Works by S.J. Monte" – including a 340-page Reference Manual; Classified Top Secret for Solid Rocket Fuel and Energetic Composites Patents for the Insensitive Munitions Program; Lifetime member of the National Defense Industrial Association; Lifetime Member of the BOD-SPE ThermoPlastics Materials & Foams Division – Annual Scholarship named: Salvatore J. Monte Thermoplastic Materials & Foams Division Scholarship; External Advisory Committee-UCF NanoScience Technology Center; former Chairman of the NYRG-ACS Rubber Division; former President of the SPE P-NJ Section; Testified several times before Congress on Trade and

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IP Protection; Business Man of the Year 2015-Bayonne Chamber of Commerce; Federated Society Coatings Technology C. Homer Flynn Award for Technical Excellence; Recipient of the Albert Nelson Marquis Lifetime Achievement Award; Rotary Paul Harris Fellow; UA Million Miler; Member PIA, ACMA, SPE, ACS, ACS Rubber Division, ASCE, AIChE, SAMPE, the GRAPHENE COUNCIL, the Vinyl Sustainability Council.

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