



New York City Transit Authority Rail Fastening System



For more than two years RockHardscP® Technology and its associates have been working with the New York City Transit Authority (NYCT) track engineering and construction groups to develop a more efficient method for replacing deteriorated, creosoted wooden cross-ties and to incorporate a new and improved system for installing NYCT subway rail systems. This new system includes an innovative vibration/sound dampening rail fastening system. The rail fastening system is highlighted by the integration of a new composite cross-tie material called RockHardscP®. The RockHardscP®, which the NYCT has successfully tested for over 2 years, is a resilient, non-electrically conductive, highly abrasion resistant polymer composite that replaces traditional creosoted wooden cross-ties. The installation of this new environmentally responsible system is projected to reduce overall subway rail replacement costs and installation time by more than 40%. NYCT forecasts the installation of over 10,000 rail feet per year for the next 10 years utilizing the new rail fastening system.