



August 29<sup>th</sup> 2011

### **New Waterborne Self-healing Coating for Use on Wood and Polymer Substrates**

Somerset, NJ (USA) - [NEI Corporation](http://www.neicorporation.com) announced today that it has completed initial development of a waterborne self-healing coating, Nanomyte<sup>®</sup> MEND-MW. The self-healing capability *reduces* end-user costs by minimizing the need for repairing and repainting damaged surfaces, *extends* the service life of the structure to which it is applied, and *maintains* the finish of the original painted surface. A coating that repairs itself benefits OEMs and end-users alike.

Surface scratches and marring in a coating lead to damage on a macroscopic scale, resulting in the coating losing its aesthetic and protective functions. The patent pending, self-healing coating can heal both minor and deep scratches once it is mildly heated. Nanomyte<sup>®</sup> MEND-MW is one of the spin-off products from Nanomyte<sup>®</sup> MEND, which is a broader self-healing technology platform developed by NEI Corporation that can be used to impart self-healing characteristics to polymer coatings. Demonstration videos can be viewed at <http://www.neicorporation.com/video.html> or <http://www.youtube.com/user/NEICorporation>.

Waterborne, UV-curable, and high solids chemistries are being increasingly favored over solvent based coatings, especially in consumer applications. The Nanomyte<sup>®</sup> MEND coating technology platform provides a new self-healing functionality while preserving other coating properties, such as gloss, hardness, ductility, and chemical resistance. The manufacturing process for Nanomyte<sup>®</sup> MEND uses conventional polymer and materials processing.

NEI is making Nanomyte<sup>®</sup> MEND samples available for testing by end-users. Further, product development services are available from NEI to render specific polymers to be self-healing.

### **About NEI Corporation**

Founded in 1997, NEI Corporation develops, manufactures, and distributes nanoscale materials for a broad range of industrial customers around the world. The Company's products incorporate proprietary nanotechnology and advanced materials science to create significant performance improvements in manufactured goods. NEI's products include advanced protective coatings, high performance battery electrode materials and specialty nanoscale materials for diverse applications. NEI has created a strong foundation in the emerging field of nanotechnology that has enabled the Company to become a leader in selected markets. The Company is based in Somerset, NJ. For more information contact NEI Corporation at (732) 868-3141 or visit [www.neicorporation.com](http://www.neicorporation.com).