

Celanese Introduces Mowilith® Nano Technology Platform for the Next Generation of Exterior Coatings

Acrylate/silicon dioxide hybrid emulsion creates an inorganic nano-structure on coated surfaces for enhanced durability and performance

Nurnberg, Germany (8 May 2007) - At the European Coatings Show, Celanese Corporation presented Mowilith® Nano, an acrylate/silicon dioxide (SiO₂) emulsion technology specifically designed for high performance exterior paints. Coatings formulated with Mowilith Nano emulsions create a nano structure in the paint film, resulting in outstanding outdoor weathering behavior with remarkably low dirt pick up. The first product of the Mowilith Nano line, Mowilith Nano 9420, was introduced at the European Coatings Show.

According to Moritz Fichtmueller, marketing manager at Celanese, Mowilith Nano is the latest emulsion technology in the Mowilith portfolio for paints and coatings. "Mowilith Nano will usher in the next generation of high-performing exterior coatings, as it represents a substantial performance improvement over conventional acrylic emulsions. It is a breakthrough technology and another good example of the cutting edge work that is being done in our R&D laboratories," he said.

The Mowilith Nano emulsion is built from an organic, pure acrylic polymer and an inorganic SiO₂ phase. The two phases are chemically linked to ensure a homogeneous nano-scaled distribution of both phases throughout the entire film. When used in a coating, Mowilith Nano helps create a truly nano-structured surface (see Figure 1). The nanostructure is responsible for the durability, weathering and low dirt pick up properties of the product. It also helps paints achieve the highest quality standards for water vapour permeability. Paints made with Mowilith Nano also exhibit excellent fire retardant properties.

The industry's broadest technology portfolio

As one of the largest and most experienced suppliers of coatings emulsions technology in the world, Celanese has been developing technology that creates breakthroughs for more than 40 years. Today, Celanese has the broadest and deepest range of emulsion technology serving the coatings market. The portfolio includes vinyl acetate/ethylene emulsions, acrylics, styrene acrylics, vlna-VeoVA and PVOH chemistry and now this new nano technology. Celanese remains committed to innovative solutions with the commercial launch of Mowilith Nano technology in Europe.

To learn more about Mowilith Nano and other Mowilith emulsions, contact Technical Service, Celanese Emulsions GmbH, Industriepark Höchst, 65926 Frankfurt a.M, telephone 49 (0) 69 305 2876.

About the Emulsions & PVOH Business of Celanese

The Emulsions & PVOH business of Celanese is a global leader in the development and application of polymer emulsion and PVOH technology to improve performance, create value and drive innovation in a broad range of industrial and consumer end-use applications including adhesives, coatings, engineered fabrics, glass fibers, paper, textiles and more. The business has manufacturing, R&D and technical service facilities across North America, Europe and Asia. More information about the Emulsions & PVOH business of Celanese is available at www.connectcelanese.com.

About Celanese

As a global leader in the chemicals industry, Celanese Corporation (NYSE: CE) makes products essential to everyday living. Our products, found in consumer and industrial applications, are manufactured in North America, Europe and Asia. Net sales totaled \$6.7 billion in 2006, with over 60% generated outside of North America. Known for operational excellence and execution of its business strategies, Celanese delivers value to customers around the globe with innovations and best-in-class technologies. Based in Dallas, Texas, the company employs approximately 8,900 employees worldwide. For more information on Celanese Corporation, please visit the company's website at www.celanese.com.