COATINGS

Industrial Nanotech Unveils Nansulate High Heat

Industrial Nanotech Inc., an emerging nanotechnology-based solutions provider, has launched a new industrial grade coating designed for use in environments that experience extremely high temperatures, providing high levels of thermal insulation and corrosion protection. The newest addition to the Nansulate Translucent product line, Nansulate High Heat, is an insulation coating that Industrial Nanotech believes will set a new standard for thermal conductivity in water-based industrial coatings.

Nansulate is seen here applied in a high heat application.

The new coating provides insulation protection from extreme temperatures ranging from -40°F to 400°F, a high temperature range for a water-based coating. Industrial applications for the coating include but are not limited to oil refineries, food-processing plants and steam pipes and boilers in any industrial environment.

Stuart Burchill, Chief Executive Officer of Industrial Nanotech, Inc., commented, "Nansulate High Heat will revolutionize water-based coatings through its ability to withstand such extreme temperature ranges while still providing thermal insulation and corrosion protection to the underlying substrate. Additionally, we have increased the performance capabilities of our existing lines of industrial coatings to withstand higher temperatures continuing our mission to provide superior products to our customers via the use of nanocomposites."

For more information circle 51 or go to www.EquipmentProtectionMagazine.com/ep_service.htm

Victrex Selects Tech Line Coatings as Formulator for New Dispersion Coatings

Victrex USA Inc. has chosen Tech Line Coatings, Inc. as a formulator for a new line of coatings based on Victrex Peek polymer. These new, liquid dispersions available from Tech Line under the trademark Techtrex, have a combination of properties well suited for harsh environments as they provide added abrasion, thermal and chemical resistance.

Techtrex coatings are specified for applications requiring FDA compliance, improved release characteristics, lower coefficient of friction and enhanced abrasion resistance. They can be applied in 0.5 mil to 6 mil thicknesses.

According to Andrew Ragan, Coatings Program Leader for Victrex, "The TECHTREX formulations have demonstrated superior hardness, abrasion resistance and adhesion with one application as compared with PFA, PVDF and ECTFE multi-layer based coatings."

The new coatings are processed at similar conditions to PTFE and PFA. They use standard processing equipment and require oven temperatures of between 371 to 399°C (700 - 750°F) to melt and flow out the coatings. Victrex Peek is typically injection molded or extruded into stock shapes, films and fibers for components requiring a combination of abrasion, thermal, chemical resistance while also providing superior mechanical, electrical and tribological performance.

For more information circle 52 or go to www.EquipmentProtectionMagazine.com/ep_service.htm

Spherical Hollow Glass Micospheres Offer Previously Unattainable Properties For Coating Formulations

The newest additions to Potters Industries line of lightweight spherical additives for paint and coating formulations are the 18 and 30 micron hollow glass microspheres. Called Sphericel 60P18 and Sphericel 34P30 respectively, these hollow glass microspheres offer improved scrub and burnish properties, viscosity control, thermal insulation and sound dampening characteristics, improved performance and other functional properties coatings formulators.

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