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Axalta Launches New Self-bonding Electrical Steel Coating

Voltatex 1175W-1K offers longer shelf life and improved handling

BASEL, Switzerland--(BUSINESS WIRE)-- Axalta Coating Systems (NYSE: AXTA), a leading global manufacturer of liquid and powder coatings, has developed a new one-component self-bonding electrical steel varnish called Voltatex[®] 1175W-1K. The new varnish offers longer shelf life and significantly improved handling with the same technical performance as standard two-component systems.

Self-bonding characteristics have become increasingly important in the production of high-quality magnetic cores for stators and rotors. Self-bonding products offer decisive manufacturing benefits as they deliver precise and reproducible adhesion and ensure that the varnish is not squeezed out of bonded stacks. Self-bonding properties are therefore in high demand, particularly for the production of wind-turbine generators, but also in the manufacture of motors for electric vehicles (EVs) and hybrid electric vehicles (HEVs).

“Voltatex 1175W-1K provides users with increased product reliability, more efficient processing and very user-friendly handling,” says Frank-Rainer Boehm, Global Technology Manager for Axalta’s Energy Solutions business. “An effective self-bonding one-component varnish requires a highly-sensitive and well-controlled crosslinking system to ensure that the coating’s application, drying and hardening all work well. Achieving that has always been a challenge chemically. Traditionally, it has taken advanced two-component waterborne formulations to deliver the required self-bonding performance – until now.”

Voltatex 1175W-1K is supplied in 200 liter drums or 1000 liter containers. It must be mixed with the Voltatex[®] 1075K catalyst in a varnish-to-catalyst weight ratio of 90:10, and offers a pot life of one week at room temperature.

For further information about Voltatex 1175W-1K, please visit axalta.co.uk/energysolutions.

For further information on Axalta Coating Systems, please visit Axalta at www.axaltacoatingsystems.com.

About Axalta Coating Systems – Celebrating 150 Years in the Coatings Industry

Axalta is a leading global company focused solely on coatings and providing customers with innovative, colorful, beautiful and sustainable solutions. From light OEM vehicles,

commercial vehicles and refinish applications to electric motors, buildings and pipelines, our coatings are designed to prevent corrosion, increase productivity and enable the materials we coat to last longer. With 150 years of experience in the coatings industry, the 12,800 people of Axalta continue to find ways to better serve our more than 100,000 customers in 130 countries every day with the finest coatings, application systems and technology. For more information visit axaltacoatingsystems.com and follow us on [Twitter](#) @axalta and on [LinkedIn](#).

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