

Trade Press Release

Heraeus Exhibits SOL315, Low Activity Paste for New Passivation Layer Cell Designs

- **Heraeus Highlights New Paste at the SNEC 6th International Solar Industry and Photovoltaic Exhibition & Conference in Shanghai, China**
-

WEST CONSHOHOCKEN, Pa., – May 14, 2012 – Heraeus, an industry leading developer and manufacturer of silver metallization pastes for the photovoltaic industry, will be showcasing its new SOL315 paste at this year's SNEC 6th International Solar Industry and Photovoltaic Exhibition & Conference in Shanghai, China, May 16 - 18th, (Booth 250 in hall W3). SOL315 low activity silver paste for new passivation layer cell designs, an advanced cell design that helps improve a cell's efficiency.

"We're looking forward to introducing one of our newest products at SNEC, SOL315," said Andy London, Vice President of Heraeus Precious Metals LLC in West Conshohocken. "This product helps to significantly improve output and efficiency by reducing the recombination of charge carriers."

The SOL315 is screen printed and fired onto passivated silicon wafers without penetrating the passivation layer. SOL315 has a reduced silver content and has demonstrated greater than 15 percent less paste consumption per cell for new passivation layer cell designs relative to conventional metallization pastes. Other benefits include high mechanical adhesion and excellent soldering compatibility. SOL315 can be used for front-side floating busbars and back-side soldering pad applications.

To learn more about Heraeus' metallization pastes for the photovoltaic industry, visit us at this year's SNEC trade show at the Shanghai New International Expo Center, 2345 Longyang Road, Pudong District, Shanghai, Hall W3 booth number 250 or go to www.pvsilverpaste.com.

About the Heraeus Photovoltaics Business Unit

Heraeus manufactures high volumes of thick film pastes for some of the most prominent companies within a variety of industries. For over 40 years, the company has built a reputation of innovation, extensive research and new product development in this field. The Heraeus Photovoltaics Business Unit applies its innovative technology to the field of photovoltaics, offering silver pastes for crystalline solar cells. The Heraeus SOL Series of silver pastes is specially formulated to provide higher efficiencies and wider processing windows, resulting in better yields and higher output for cell manufacturers.

Heraeus, the precious metals and technology group headquartered in Hanau, Germany, is a global, private company with more than 160 years of tradition. Our fields of competence include precious metals, materials, and technologies, sensors, biomaterials, and medical products, as well as dental products, quartz glass, and specialty light sources. With product revenues of €4.8 billion and precious metal trading revenues of €21.3 billion, as well as more than 13,300 employees in over 120 subsidiaries worldwide, Heraeus holds a leading position in its global markets.

For additional information, please contact:

David McMullen
Marketing and Business Development
Heraeus Precious Metals North America Conshohocken LLC.
Photovoltaics Business Unit
West Conshohocken, PA 19428
Phone: + 1 (610) 825-6050
Fax: + 1 (610) 825-7061
E-Mail: david.mcmullen@heraeus.com