

Trade Press Release

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Heraeus Exhibits SOL315 for New Passivation Layer Cell Designs at Intersolar North America 2012 in San Francisco, USA

- **Industry leader showcases new low activity silver paste for new passivation layer cell designs, an advance cell design that helps improve a cell's efficiency**

The Heraeus Photovoltaics Business Unit will be featuring their latest pastes for conventional and advanced cell designs at this year's Intersolar North America 2012, July 10th-12th. One of the products highlighted will be SOL315 for new passivation layer cell designs.

The new SOL315 is a low activity, low silver content paste for new passivation layer cell designs, an advance cell designs that helps improve a cell's efficiency. According to Andy London, Global Manager of the Heraeus Photovoltaics Business Unit, "We are looking forward to discussing the Heraeus SOL315 with our existing and prospective customers during the exhibition. This product helps to significantly improve output and efficiency by reducing the combination of charge carriers."

SOL315 can be used for front-side and backside applications. When SOL315 is screen printed and fired onto passivated silicon wafers, it does not penetrate the passivation layer. SOL315 enables a significant reduction of charge carrier recombination on passivated c-Si wafer surfaces, where good adhesion is required but contact formation is undesired. SOL315 can be used as a floating busbar on the front-side of c-Si cells. As back-side soldering pads, SOL315 possesses high mechanical adhesion on dielectric layers, excellent soldering compatibility, easy printability and lower paste consumption.

To learn more about Heraeus' SOL315 and other metallization pastes for the photovoltaic industry, visit us at Intersolar North America 2012 Exhibition in San Francisco, USA, July 10th - 12th, at the Moscone center, North hall, booth 5747. You can also go to www.pvsilverpaste.com.

About the Heraeus Photovoltaics Business Unit

The Heraeus Photovoltaics Business Unit is an industry leading developer and manufacturer of silver metallization pastes for the photovoltaic industry. For over 40 years, Heraeus has built a reputation of innovation, extensive research and new product development in thick film technologies. In the field of photovoltaics, the Heraeus Photovoltaics Business Unit applies this history and its innovative technology to offer metallization pastes for solar cell applications. 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 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.

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