



Picture courtesy of ECM

SOLAR[®] Crucible RTU[™]

Prevent sticking with Ready To Use Crucible

Partners in Performance



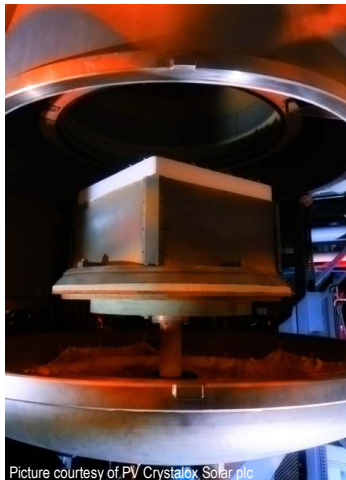
VESUVIUS

SOLAR® Crucible RTU™ - Ready To Use Crucible

Quality and Efficiency

SOLAR® is the Vesuvius brand of all technical solutions developed for the photovoltaic industry. SOLAR® Crucible RTU™ is a crucible coated in Vesuvius plant and ready to use for the fusion and the crystallization of polysilicon in the manufacturing of multi-crystal silicon ingots. Vesuvius has developed a patented coating formulation to optimize the use of silicon feedstock in the ingot manufacturing process and to provide a reliable and consistently non-sticking solution.

SOLAR® Crucible RTU™ benefits



Picture courtesy of PV Crystalox Solar plc

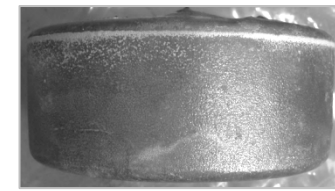
- **Consistently non-sticking**
- **High scratch resistance**
Preventing coating damage when loading your crucible
- **Smaller red zone**
Reduced transfer of impurities into the silicon melt resulting in an increase of usable length of the brick
- **Clean ingot**
No need ingot cleaning before squaring
- **Money, cost and time saving**
No reject generated by home made coating
No investment in coating equipment

Optimized solution to fit your application

Vesuvius SOLAR® Crucible RTU™ combines strong adherence of coating on crucible wall and low wettability to molten silicon. Ingots are easily released without risk of breakage and squaring scraps can be recycled without sand blasting.



Available coating on the market



SOLAR® Crucible RTU™

Ref: Vesuvius test made through SINTEF – Norway

Illustration of a Gen6 SOLAR® Crucible RTU™ : easy release and clean ingot



Picture courtesy of ECM

Where to find SOLAR® Crucibles ?

Website: www.vesuvius.com

Contact us: www.vesuviusinquiry.com

