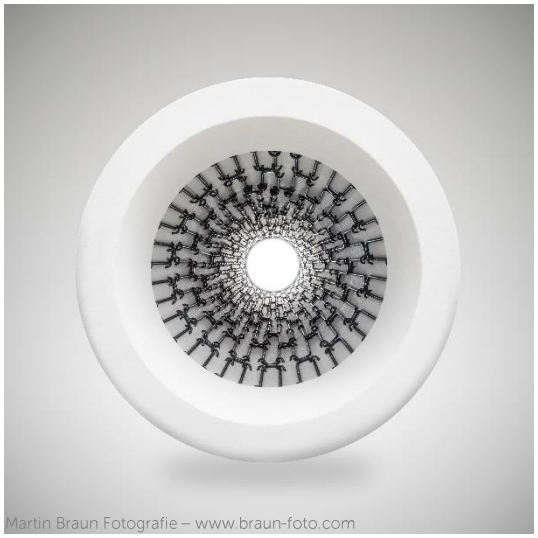
MolyTec INDIVIDUALLY SUITED **TO YOUR NEEDS**

Electric heating systems made from heating elements ($MoSi_2$) and insulation boards or shapes (PCW) up to 1550 °C (2822 °F) application temperature



Martin Braun Fotografie – www.braun-foto.com

THILO VOGEL Photography – www.thilo-vogel.com

MolyTec combines intermetallic heating elements made of molybdenum disilicide ($MoSi_2$) and insulation boards or shapes made of polycrystalline mullite/alumina wool (PCW) in heating systems ready for installation for demanding production and research environments.

The heating system permits controlled and precise heating at application temperatures up to 1550 °C (geometry dependent). **MolyTec** is fully compatible with all technically comparable heating systems and can be integrated into nearly any furnace system. As a panel, cylinder, half shell or other geometry – we implement the systems together with you according to your requirements.

MolyTec electric heating systems are used e.g. in the special glass industry for melting furnaces (lead crystal glass and soda-lime glass and other special glasses) as roof heaters of feeder forehearths or in all other high-temperature applications with a need of cylindrical heating systems.

MolyTec systems are specially designed for a maximal electric power of 150 kW/m^2. Special dimensions and designs are available according to customer's request.

YOUR BENEFITS WITH MOLYTEC AT A GLANCE

- ✓ Quick and simple installation and exchange
- ✓ Controlled and precise heating at application temperatures up to 1550 °C (geometry dependent)
- ✓ Long service life of the heating system
- ✓ Fully compatible with systems from comparable manufacturers

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MATERIAL PROPERTIES OF MOLYTEC

	MolyTec
Operating temperature	Up to a maximum of 1550 °C under air (depending on geometry).
Components	A combination of **MolyCom®-Ultra or MolyCom®-Hyper** heating elements with **UltraBoard** or **UltraVac** produced and adjusted on customer's request.
Physical and chemical properties of MolyCom®, UltraBoard and UltraVac	Please see the specific data sheets.

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