

## **SGL Group qualifies high-performance graphite for pressure equipment for use at up to 220°C**

- DIABON® NS2 for pressure equipment can be used in a significantly higher temperature range.
- Manufactured using a special post-treatment process, which leads to a reduction in the resin-impregnated proportion.

*Wiesbaden, July 25, 2016.* SGL Group – The Carbon Company has qualified the synthetic resin-impregnated DIABON® NS2 graphite for pressure equipment for use at a maximum temperature of 220°C. Heat exchangers, columns, quenchers, syntheses, systems and components can therefore be used at significantly higher temperatures, for example for corrosive applications and in the chemical industry. The AD-Merkblatt N2 and TÜV Süd have certified that use up to 220°C is safe and reliable.

The high-performance graphite DIABON® NS2 is produced by SGL Group using a special post-treatment process. This production process, which maintains the outstanding thermal conductivity and complete impregnability of the components, enables the resin-impregnated proportion to be reduced from 20% to approx. 12%. The reduced level of resin cuts corrosion caused by aggressive substances and keeps the materials' structure highly stable, even at extreme temperatures. Users of DIABON® graphite can enjoy even more outstanding features than before and have the opportunity to optimize new and existing processes in terms of availability and temperature levels.

Burkhard Straube, Head of the Business Unit Graphite Materials & Systems (GMS) at SGL Group: "This extended approval underpins the core expertise of SGL Group in the field of corrosion-resistant equipment and system solutions – particularly our wide range of materials, our engineering know-how and the comprehensive services we offer throughout the plants' life cycle."

### About SGL Group – The Carbon Company

SGL Group is one of the world's leading manufacturers of carbon-based products and materials. It has a comprehensive portfolio ranging from carbon and graphite products to carbon fibers and composites. SGL Group's core competencies are its expertise in high-temperature technology as well as its applications and engineering know-how gained over many years. These competencies enable the Company to make full use of its broad material base. SGL Group's carbon-based materials combine several unique properties such as very good electrical and thermal conductivity, heat and corrosion

resistance as well as high mechanical strength combined with low weight. Due to industrialization in the growth regions of Asia and Latin America and increased substitution of traditional with innovative materials, there is a growing demand for SGL Group's high-performance materials and products. Products from SGL Group are used predominantly in the steel, aluminum, automotive and chemical industries as well as in the semiconductor, solar and LED sectors and in lithium-ion batteries. Carbon-based materials and products are also being used increasingly in the wind power, aerospace and defense industries.

**With 40 production sites in Europe, North America and Asia as well as a service network covering more than 100 countries, SGL Group is a company with a global presence. In 2015, the Company's workforce of around 5,700 employees generated sales of €1,323 million. The Company's head office is located in Wiesbaden.**

*Further information on SGL Group can be found in SGL Group's newsroom at [www.sqlgroup.com/press](http://www.sqlgroup.com/press) or at [www.sqlgroup.com](http://www.sqlgroup.com).*

**Important note:**

This press release may contain forward-looking statements based on the information currently available to us and on our current projections and assumptions. By nature, forward-looking statements involve known and unknown risks and uncertainties, as a consequence of which actual developments and results can deviate significantly from these forward-looking statements. Forward-looking statements are not to be understood as guarantees. Rather, future developments and results depend on a number of factors; they entail various risks and unanticipated circumstances and are based on assumptions which may prove to be inaccurate. These risks and uncertainties include, for example, unforeseeable changes in political, economic, legal, and business conditions, particularly relating to our main customer industries, such as electric steel production, to the competitive environment, to interest rate and exchange rate fluctuations, to technological developments, and to other risks and unanticipated circumstances. Other risks that in our opinion may arise include price developments, unexpected developments connected with acquisitions and subsidiaries, and unforeseen risks associated with ongoing cost savings programs. SGL Group does not intend or assume any responsibility to revise or otherwise update these forward-looking statements.

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