

FOR IMMEDIATE RELEASE

ONEX LAUNCHES NEW PRODUCT LINE *Black Diamond Nitride-Bonded Silicon Carbide*

Erie, Pennsylvania, August 9, 2022 - Onex, Inc., a leading Pennsylvania manufacturer supporting the die casting, non-ferrous foundries, graphitizing, and heat treat industries, recently debuted a new product line, Black Diamond High Performance Products. After six months of exclusive availability to Onex's customer base, the Black Diamond line is now available to all U.S. manufacturers.



The star product in Black Diamond's line is nitride-bonded silicon carbide (NBSiC). The silicon carbide is super-heated in a domestic nitrogen atmosphere furnace, assuring a US-based supply of NBSiC for applications, such as: saggars, muffle sections, exhaust sacks, abrasion sleeves, and crucibles. Onex also uses silicon carbide to build custom precast and formed shapes. Harnessing their years of customer design experience, Onex can assist with design support on custom formed shape needs with Black Diamond application, including large

and complex shapes.

Onex developed Black Diamond to support a customer need. "A customer, who specializes in graphite applications, reached out with a sourcing issue. They could not reliably receive the nitride-bonded silicon carbide they needed, at the quantity and quality they required, from their overseas supplier," states Michael Ducato, Vice President of Sales for Onex, Inc. "Our business culture is focused on providing solutions. We saw an opportunity to be of service to our graphite client as well as the larger U.S. manufacturing community. That's all it took for our team to be focused on providing the best quality NBSiC possible. We also knew Onex's 40-years of experience with



precast shapes would support customers with any industry specific requirements.”

NBSiC has the ability to extend the lifecycle of ceramic components exposed to abrasion or corrosive atmospheres. Industries which need silicon carbide include: automotive, specifically in support of products used to manufacture lithium EV batteries, and the graphite industry where the silicon carbide is used for precast rings and kiln furniture, among other consumable parts. NBSiC stands up to harsh use conditions by offering greater abrasion (wear) resistance, higher temperature tolerance, exceptional chemical resistance and higher impact resistance than most other silicon carbide grades. Black Diamond NBSiC products provide improved product performance, increased throughput via reduced downtime, lower overall costs based upon improved performance, and the ability to plan maintenance based upon consistent performance.

Onex’s Black Diamond line is a U.S. supply success story. Products are domestically sourced in the U.S., reducing typical shipping downsides - especially for larger shapes: costs, time, and environmental impact. As a U.S. manufacturing supplier, Onex can also offer assurances about product quality and supply timing that are not available from overseas suppliers, which supports a stronger domestic manufacturing industry.

The Black Diamond High Performance Product line is immediately available. More information can be found at www.onexinc.com/black-diamond-nbsic

About

Onex, Inc. specializes in building and repairing industrial furnaces. Their expert OEM team will design, build, and install refractory and combustion equipment for die casting, forging, and heat treat applications; combustion and refractory services also include tune-ups, repairs, and retrofits. Additionally, Onex provides contract or tolling services for refractory manufacturers. Employee-owned, woman-led, and community-centered, Onex is on a mission to REIGNITE the American Dream!