

Facility reinforcement projected for production of ALSINK, a high-reliability heat-dissipating base plate
– Strengthening supply system for growing uses of this material in power modules –



ALSINK

Denka Company Limited (Head Office: Chuo-ku, Tokyo; Representative Director, President: Ikuo Ishida) has made a decision about investing in reinforcing production facilities for its high-reliability heat-dissipating base plate ALSINK at its Omuta Plant (Omuta-shi, Fukuoka Prefecture) and at Denka Electronics Materials Dalian Co., Ltd. in China, with the aim of further business growth in the environmental and energy fields. The investment will enable the company to expand its production capacity by approximately 1.3 times its current capacity from the second half of FY2027.

ALSINK is a composite material made of aluminum and ceramics. It features a combination of a thermal expansion coefficient similar to that of ceramic substrates and a thermal conductivity equal to or better than that of aluminum nitride (AlN), these making the product boast of a highly reliable heat sink material. This product thus contributes to higher performance and longer service life of on-board high-power modules.

ALSINK has been widely used for power modules used in inverters for electric railways that require high reliability. Also in the future, this material is expected to experience a rapid increase in demand for DC power transmission in the renewable energy sector as well as the global need of development of high-speed railway networks, this causing a growing need to expand the supply system.

Denka Company Limited will further strengthen its supply system through this capacity expansion in order to secure steady and stable supply as a top supplier of this product (Al-SiC high-reliability heat-dissipating base plate).

Denka Company Limited will continue contributing to people's daily lives and society by applying its world-class chemistry know-how based on the Purpose of Mission 2030: "Make the world a better place as specialists in chemistry."

End of Press Release

Investment summary

- Production sites subject to the investment: Omuta Plant (1, Shinkai-machi, Omuta-shi, Fukuoka 836-8510) Denka Electronics Materials Dalian Co., Ltd. (No.41-10 Wanda Road Dalian Economic & Technological Development Zone, Dalian, Liaoning, China 116620)
- Investment details: Facility reinforcement for production of ALSINK, a high-reliability heat-dissipating base plate
- Start of operation: FY2027 (Planned)

*This capital expenditure will have no impact on our consolidated earnings for FY2025.

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