

—THERMOTECT WALL™, High thermal insulation and resistant furnace wall,—
 has won the prize as “Director-General’s Prize, The Agency for Natural Resources and Energy” of “Product Category & Business Model Category” at Grand Prize for Excellence in Energy Efficiency and Conservation in 2015.

Tokyo, January 27, 2016 — AGC CERAMICS and AGC Plibrico have won the prize as “Director-General’s Prize, The Agency for Natural Resources and Energy” of “Product Category & Business Model Category” at Grand Prize for Excellence in Energy Efficiency and Conservation in 2015.



The prized business model is an energy saving solution through the optimal furnace design utilizing THERMOTECT WALL™, according to customers’ various operating condition.

THERMOTECT WALL™, is multiple layered furnace wall structure made from monolithic refractory material of THERMOTECT™ having properties of high thermal insulation and high thermal resistant have been dramatically decreasing the heat loss from the furnace wall surface, The prize is awarded based on the evaluation that the result of the energy saving effect gained by THERMOTECT WALL™ is so high and THERMOTECT WALL™ is implemented at many fields of industrial furnaces, which consumes a huge amount of energy such as steel, petroleum, cement and glass industry.

THERMOTECT WALL™ can be applied in a wide range of temperature from 800 to 1,700 degrees Celsius with its property of high thermal insulation and thermal resistant. The characteristics of THERMOTECT WALL™ are, it is developed by utilizing AGC Ceramics’s special raw material from its manufacturing plant, and it does not contain any Refractory Ceramics Fiber (RCF) which has been designated as the category 2 in Ordinance on Prevention of Hazards due to Specified Chemical Substances in Japan.



By replacing RCF with THERMOTECT WALL™, customers can achieve not only fuel cost reduction by heat loss decrease, but also they can apply it at the portions where



application of RCF was impossible previously due to severe physical and chemical damage occurrence. Thus, it is expected that the adoption of THERMOTECT WALL™ will widely spread over the various industries.

Under the management policy *AGC plus*, the AGC Group is pursuing the development of products that add a “plus” by providing safety, security, and comfort, while achieving both energy saving and them for customers and business partners.

<Reference>

AGC CERAMICS Co., Ltd. (Head Office: Tokyo; President & CEO; Akinobu Shimaou, Subsidiary of AGC Asahi Glass Co., Ltd.)

AGC Plibrico Co., Ltd. (Head Office: Tokyo; President & CEO; Satoshi Sakamoto, Subsidiary of AGC CERAMICS Co., Ltd.)