F-83	Keywords	Y1	material or part	Z2	oil	E21	ceramic products
-							AGC Inc.

High Thermal Insulating and Resisting Ceramic Furnace Wall for Industrial Furnaces

Features

Replacing conventional furnaces with THERMOTECT WALL[™] enables to reduce the amount of heat loss through walls for reduced fuel consumption. Our THERMOTECT WALL[™] technology can be also applied to areas prone to physical and chemical damage, to which refractory ceramics fibers (RCF) could not be applied. Thus, it is a promising solution with potential for wide-range applications.



Basic Concept or Summary

THERMOTECT WALL[™] is a furnace wall with excellent thermal insulation and heat resistance property that can be applied in a wide temperature range from 800 to 1700 °C. The wall uses special raw materials utilizing recycled raw materials from our manufacturing plants and does not contain. THERMOTECT WALL[™], high thermal insulation ceramic furnace wall developed by AGC Ceramics, a consolidated subsidiary of AGC Inc. Group has been awarded the Director-General's Prize (in the Product and Business Model Category) at Grand Prize for Excellence in Energy Efficiency and Conservation in 2015 (sponsored by the Agency for Natural Resources and Energy).



FY2015 Grand Prize for Excellence in Energy Efficiency and Conservation (Product & Business Model Category) Sponsored by the Agency for Natural Resources and Energy



Installation in Practice or Schedule

Domestic See below for examples of cases where THERMOTECT WALL[™] is applied.



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