

Kiln Furniture

“RSiC – Recrystallized Silicon Carbide Products”

The most distinguishing characteristic of RSiC products from other silicon carbide products are their excellent thermal shock resistance.

Features

- High temperature resistance.
- Provides energy saving as it is lightweight.
- Very high thermal conductivity.
- Low heat storage.
- Long service life.
- Excellent thermal shock resistance.

General Applications

Serving to different purposes such as roll, beam, plate, setter, burner nozzle and protective cover, etc. the ceramic industry, RSiC products prove to be successful especially in the applications where high thermal shock resistance is required. Among these applications are petrochemical, aviation and aerospace industries.

Other advantages of RSiC products include the convenient use of them in the systems operating up to 1650 °C and capability of them to increase the furnace efficiency and therefore reduce energy consumption.

RSiC Products	General Features and Applications
RSiC Beams	Thanks to their properties such as high temperature strength, oxidation and creep resistance, they are successfully used for production of sanitary ware, porcelain, insulator, ceramic, etc.
RSiC Plates and Setters	Due to their excellent firing and deformation strength and high thermal conductivity, they are widely used in porcelain, sanitary ware and powder metallurgy applications, allowing firing in shorter time.
RSiC Rollers and Protective Tubes	While they are frequently used as a roller in the rapid cooling zone of the roller furnaces thanks to their excellent thermal shock strengths and load bearing capabilities, they also meet requirements of different industries such as protective tube due to their wear and corrosion resistance.

