



Arc-Sand

Recycling of bottom and fly ash into artificial sand

Tsuneishi Kamtecs
www.kamtecs.co.jp

The company was founded in 1967 during the period of the emergence of various pollution problems. Kamtecs contributes to the environmental protection since then.

Incinerator ash is generally treated as an end waste and buried in a landfill site for safety reasons. Reduction of incineration ash volume prolongates the landfill life time. Tsuneishi Kamtecs developed carries out a thermal conversion of incineration ash into artificial sand. The produced sand is named Arc-Sand. It has no toxicity towards the environment because of the high temperature process which forces the heavy metals to form metal chlorides that are collected as fine particles in a process klin. Thanks to its non-toxicity, Arc-Sand can be used as a land surface material just like natural sand which is becoming scarce in recent years. Arc-Sand is particularly appreciated for grass growth preventive material. In addition, its permeable nature contributes to improve urban heat island phenomenon.

Paving a path in a farm



Pavement in urban parks



Solar parks

