Insulation performance

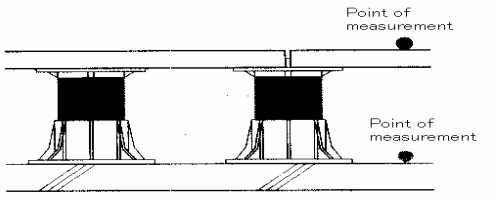
On terrace constructed with BPI - Buzon Screwjack Pedestal System

The test measures the temperature on top of tiles of the terrace, and the temperature of the roof slab beneath the tiles. This data has then been compiled into the table below.

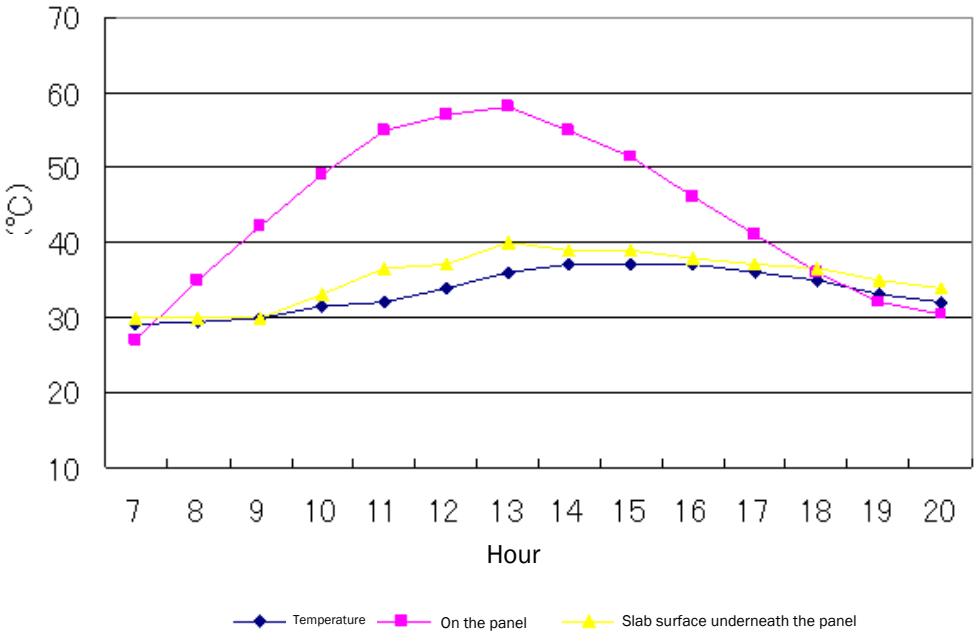
- Location of test site: Kasukabe City, Japan
- Date: July 12, 2001
- Tile: cement made tiles measuring 600x600x30 mm, weight : approx. 25 kg
- Height of pedestal: 150 mm
- Surface area: 4.8 sqm (3 m x 1.6 m): upstand insulated so that no airflow can enter from the sides.

Temperature Reduction Performance

	Temperature (°C)	Difference with air temperature (°C)
Air temperature	36	-
Tile surface	58	+ 22
Slab surface beneath tile	40	+ 4



Temperature transition of the each part of the system



The test results in the chart above show the temperature on top of the panel is about 20 °C higher than the outside air temperature and the temperature on the slab under the tiles is only 4 °C higher than the outside air temperature.
Therefore the temperature reduction performance of a terrace constructed with the Buzon Screwjack Pedestal System can be recognised as a result of this test.