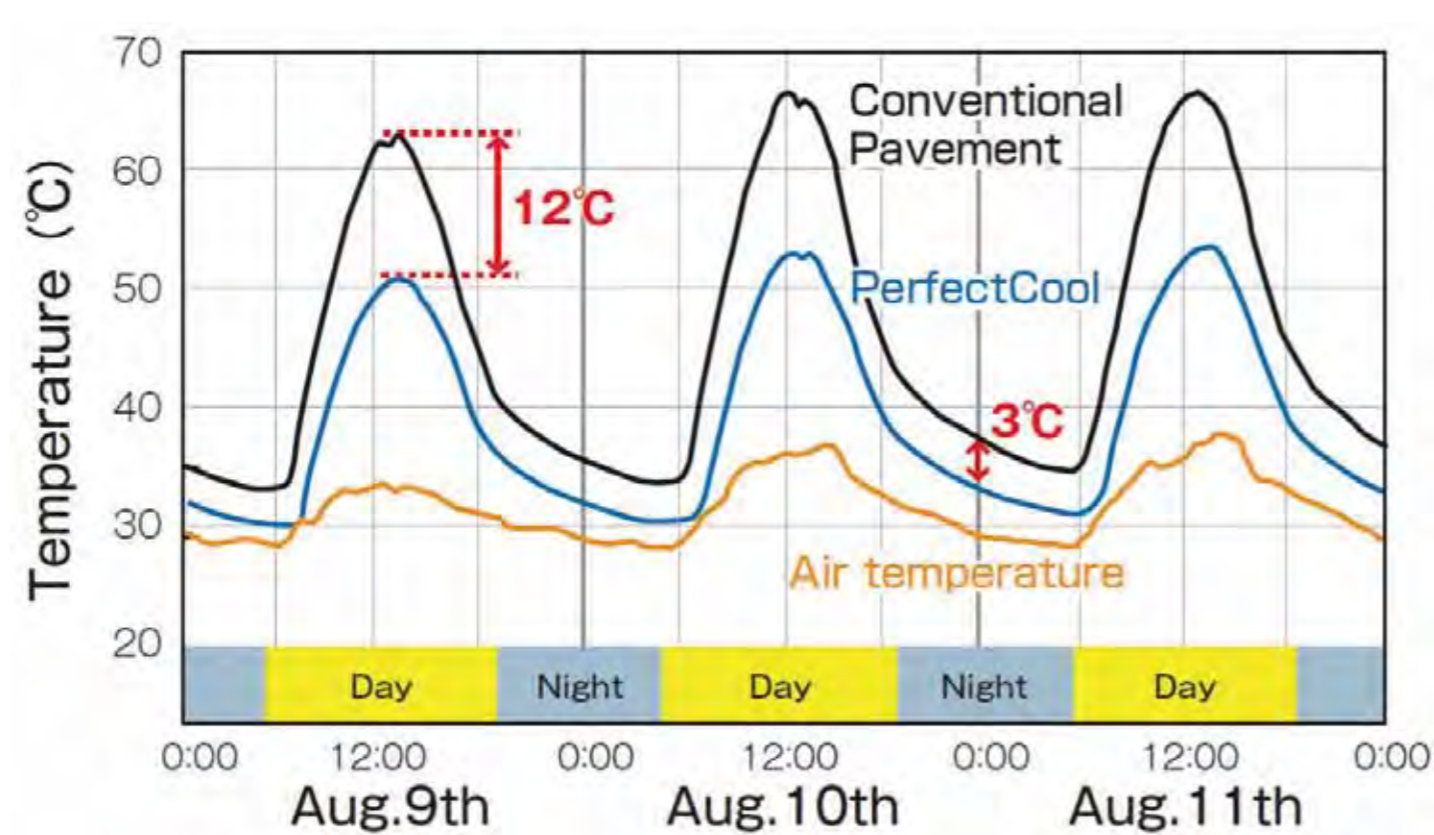


# Environmentally Friendly Pavement Technologies

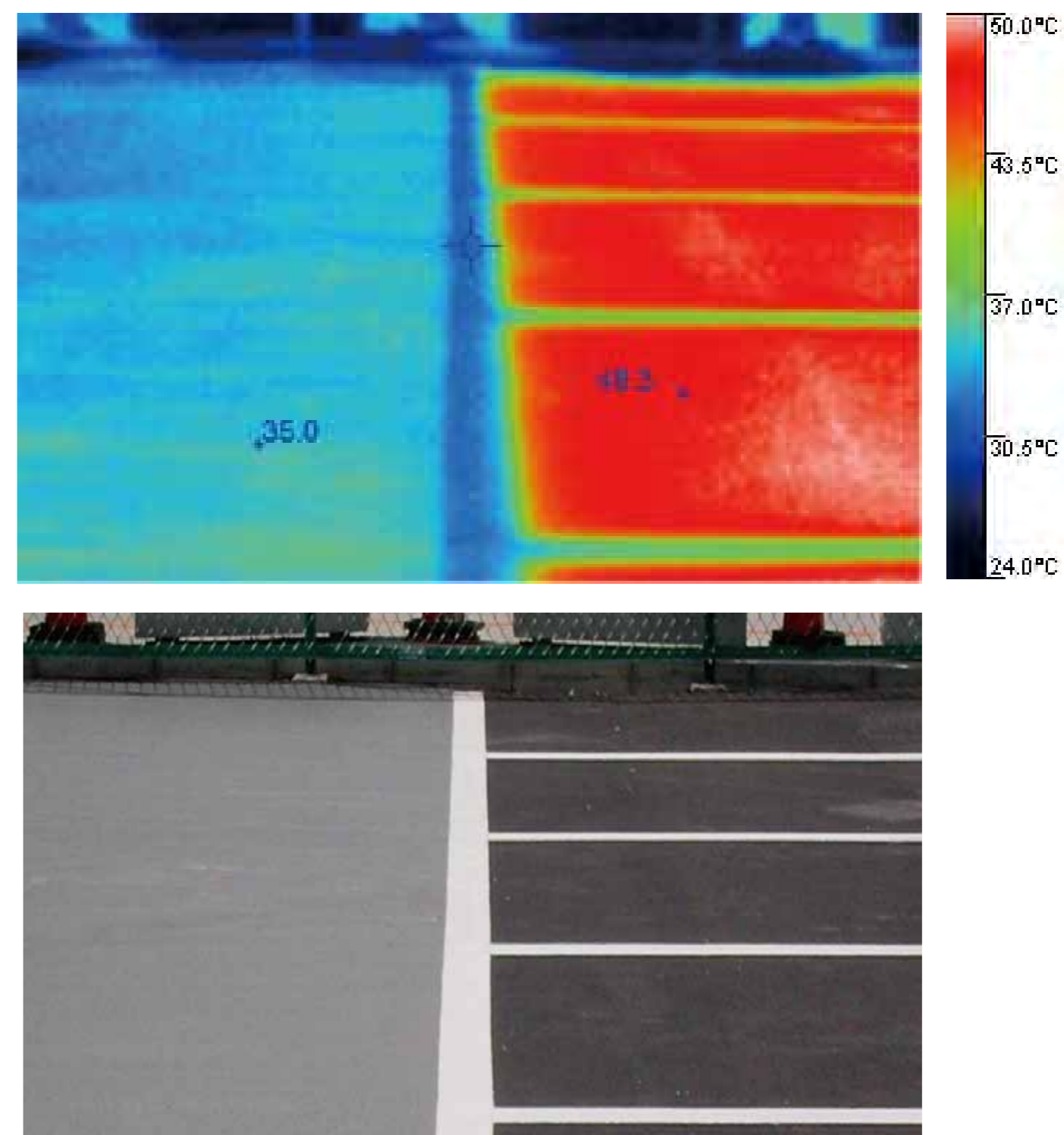
## 환경 친화적 포장 기술

### PerfectCool : Cool Pavement

PerfectCool is a cool pavement, the surface of which is coated with a solar radiation reflective paint. Since the coating paint reflects the near infrared rays and reduces the amount of heat absorbed into the pavement during the daytime, the pavement stores less heat and has lower surface temperature compared with conventional pavements.



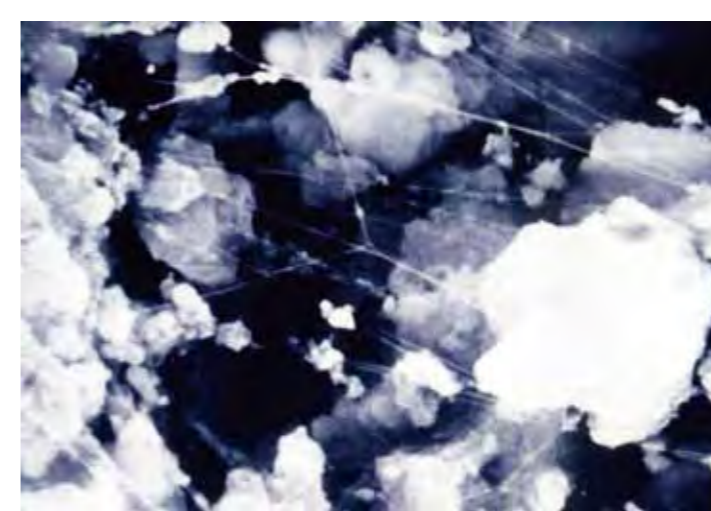
Compared with a conventional pavement, PerfectCool decreases the surface temperature by up to 12°C in the daytime and at night by up to 3°C. This contributes to a reduction of the heat island effect.



Thermographic image distinctly shows the surface temperature difference between PerfectCool (left) and a conventional pavement (right).

### Tefix : Dust-Preventing Soil Stabilizer

Tefix is an innovative dust-preventing soil stabilizer for road works, which utilizes the dust suppression capacity of Teflon®. Teflon® in the form of super-minute fibers is evenly distributed in the soil stabilizer, and the fibers trap the stabilizer particles to suppress most of the dust. Tefix is equivalent to ordinary soil stabilizers in workability during distribution and mixing as well as in stabilizing effectiveness.



Super-minute Teflon® fibers trap stabilizer particles to prevent dust formation. (Photomicrograph)



Work with an ordinary soil stabilizer



Work with Tefix