

PERMEACON PAVEMENT (Permeable concrete)

파미아콘 포장 (투수성 콘크리트)

This is a Cast-In-Place pavement provided with water permeability, air permeability, and strength sufficiently durable for pavement. It allows rainwater to sink through and go back to the ground.

Features

- Excellent water permeability and storage penetration ability restraining rapid flow of rainwater and contributing to recharge of groundwater
- It exhibits a surface temperature of 5 to 8°C lower than that of the asphalt pavement, and latent heat of vaporization after rainfall to further restrain temperature rise, thereby contributing to suppression of the heat-island phenomenon.



Mizu-no-hiroba Park (Water Plaza Park)



M-size (Aggregate grain diameter: 2.5 - 5 mm)



L-size (Aggregate grain diameter: 5 - 13 mm)



New building for Komaki City Hall (Aichi Prefecture)

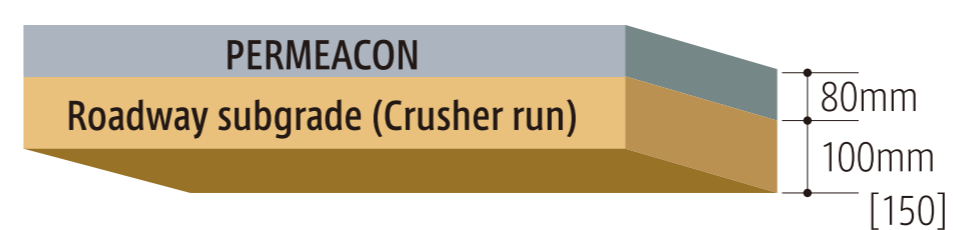


Kaga Katayamazu City Spa Park (Ishikawa Prefecture)

Pavement thickness for each use

Walkway type

Condition : Pedestrians and bicycles only
 Use : Walkways, bicycle roads, garden paths, plazas
 Storage & infiltration Qty.: 26 mm (31 mm)*

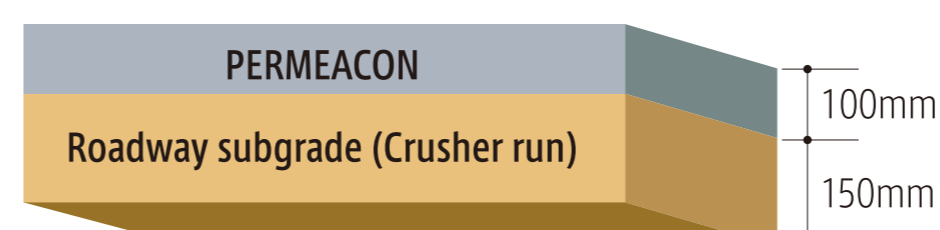


The figures in () are those for pedestrian walkways that will be used by administrative use vehicles (maximum vehicle weight of 4 t).



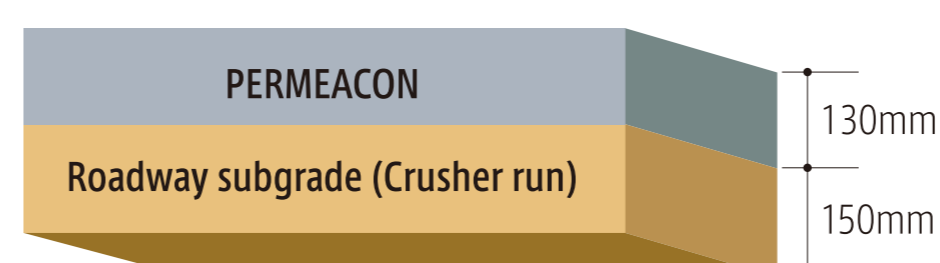
Parking lot type (I)

Condition : Passenger vehicles
 Use : Parking lots, outdoor facilities
 Storage & infiltration Qty.: 35 mm**



Outdoor facility type (for emergency vehicles)

Condition : Passenger vehicles and emergency vehicles (including hook and ladder trucks)
 Use : Outdoor facilities, parking lots
 Storage & infiltration Qty.: 41 mm**



**Each storage and infiltration qty. shows the case where coefficient of permeability for subgrade soil is 1 x 10⁻⁵ cm/sec.
 *Shows the case where design CBR = 3% or higher.