

Precast Concrete Pavement Slabs

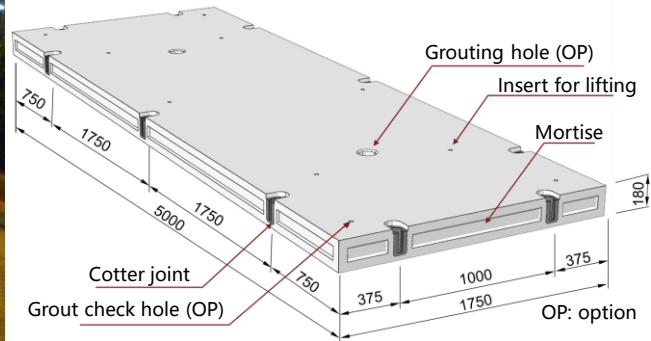
Dalles de chaussée préfabriquées en béton



High-strength PRC slabs

Precast reinforced concrete pavement slabs

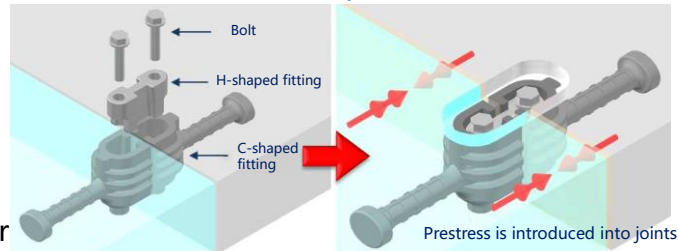
A high-strength PRC slab is a long-life, high-quality, high-durability precast (prefabricated concrete member) pavement slab. High-strength PRC slabs are suitable for use in high-traffic areas, such as airports, container yards, and heavy-traffic roads, and on soft ground. High-strength PRC slabs greatly contribute to reducing the construction period and life-cycle costs.



General view of a high-strength PRC slab (for road pavement)

Features

- Use of high-strength concrete (design strength: 60 N/mm²)
- Lattice truss reinforcement improves deformability while reducing slab thickness and weight.
- A slab connection method using cotter joints produces an integrated flat surface. Partial replacement can be easily carried out.



Slab connection method with cotter joints

Precast snow-melting slabs

Snow-melting PRC slabs

Field test at Shiraito Highland Way



OFF

Electric heating OFF



ON

Electric heating ON

Features

- A precast pavement slab system with embedded heating cables enables rapid construction.
- Use of concrete with high thermal conductivity significantly reduces electric power consumption.
- Partial control and replacement are possible.

