SEIKITOKYU KOGYO
Technology Information

Roads, Parking Lots and Airfields (Asphalt-based)

Common Name : Anti-Freezing Pavement

Zapeck Method Type G

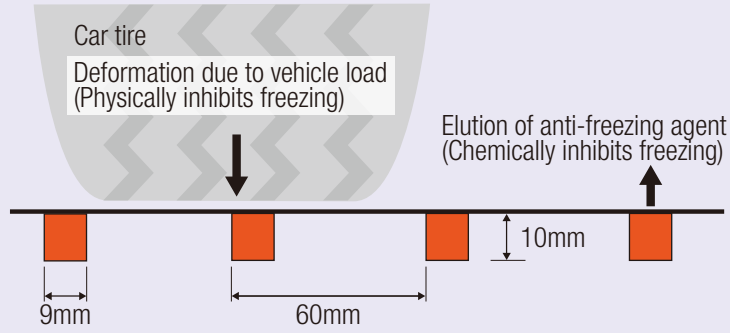
NETIS Registration No. : KT-990566-V

Grooving formed in the pavement surface are filled with a material comprised of rubber chips, an anti-freezing agent and other additives, to curb freezing of the pavement surface.

Overview

- The Zapeck Method Type G is a technique which combines the advantages of chemical anti-freezing pavement and physical anti-freezing pavement. Grooving formed at uniform intervals on the pavement surface are filled with a material comprised of anti-freezing agent, rubber pieces and urethane resin etc.
- At locations where measures are needed to prevent slipping outside of the winter season, it is possible to provide the functionality of both grooved pavement and anti-freezing pavement by filling grooving with anti-freezing agent on alternate lines.

■ **Example of paving pattern (vertical cross-section)**



Features

- Enables reduction in the spreading amounts and spreading frequency of anti-freezing agents.
- Shortens time slots and periods when the pavement surface is frozen.
- Enables to open traffic immediately after paving.
- Also enables coloring using colored rubber chips.

■ **Coloring**

Applications

- Shade in mountainous areas or surface course on bridges
- Including entrances and exits of tunnels and snowsheds where the situation of the pavement surface changes significantly
- Including sharp curves, near intersections, before rail crossings, sloping roads where vehicles are required to decelerate or stop
- Locations where spreading of anti-freezing agents needs to be reduced
- Locations having difficulty to mobilize snowplows, supply/spread anti-freezing agents (mountainous areas)