

Cera White

Light-Colored High-Durability Petroleum Resin-Based Pavement

Cera White

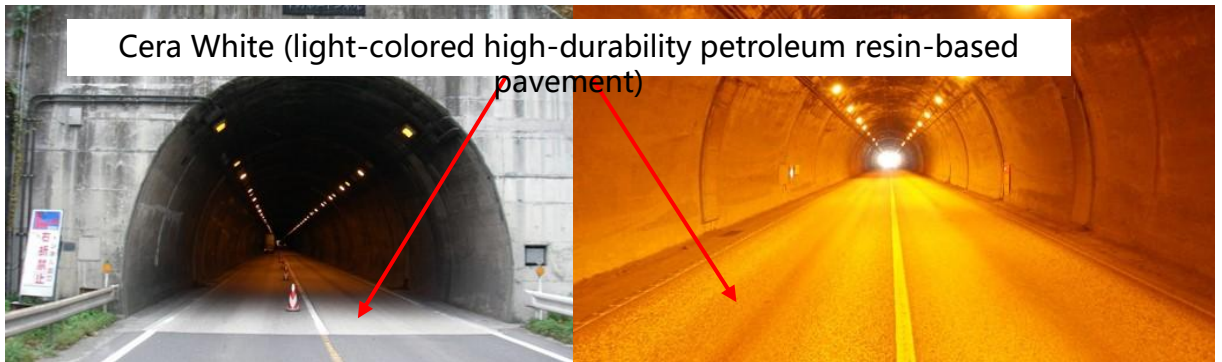
Revêtement à base de résine pétrolière
de couleur claire à haute durabilité



This high-durability asphalt-based pavement uses ceramic aggregates, petroleum-based resin, and white pigment. It is effective in mitigating wear caused by tire chains.

■ Features

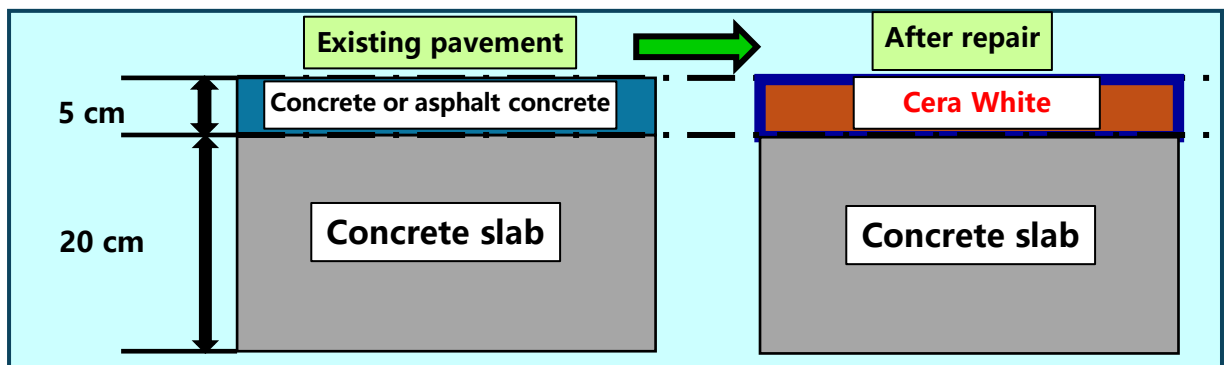
- High durability
It offers excellent watertightness, ensuring long-term durability.
- Resistance to wear, rutting, and cracking
It offers excellent wear and deformation resistance, effectively suppressing rutting and cracking. It is particularly effective in mitigating wear caused by tire chains.
- Light-colored surface
It has a brightness close to that of concrete.
- Shortened construction period
Compared with thin-layer concrete pavement, it allows a larger daily construction volume, thereby reducing the number of days required for paving work.
- Earlier opening to traffic
Like conventional asphalt pavement, it can be opened to traffic after a short curing period (once the mixture has cooled).



Cera White (light-colored high-durability petroleum resin-based pavement)

Tunnel entrance

Tunnel interior

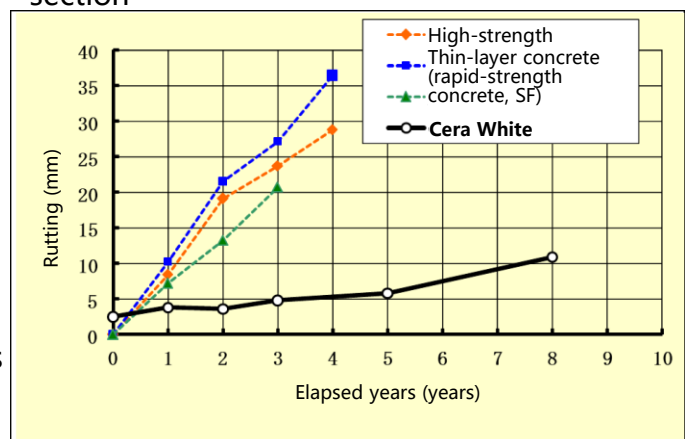


Pavement surface

■ Applications

- Repair of concrete pavement slabs
- Repair of pavement in tunnels
- Locations where high wear resistance is required

Repaired cross section



SW Heat Mix

Reheated Asphalt Repair Method

SW Heat Mix

Procédé de réparation de l'asphalte par réchauffage



This is a reheated asphalt repair method in which only the required amount of asphalt is heated using a dedicated heating unit for application. It is ideal for small-scale pavement repair and restoration.

Features

- It uses electric heating instead of open flame, so no odor or smoke is generated.
- It enables paving work even when material procurement is difficult, such as on asphalt plant shutdown days or at night, and eliminates the need to travel to collect materials.
- Its proprietary mix design allows application at temperatures of 90°C or higher.
- It can be installed in the same manner as conventional asphalt mixtures and provides equivalent durability.
- Only the required amount is heated and used, thereby reducing material waste.
- It can be reheated up to three times and can be stored for up to three years.
- Electric reheating and reduced transportation requirements contribute to decarbonization.



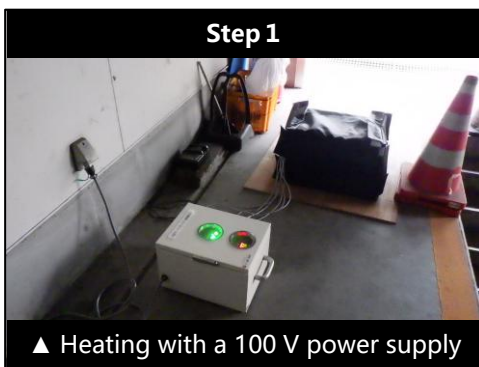
▲ 20 kg per bag



▲ Control panel and insulation unit



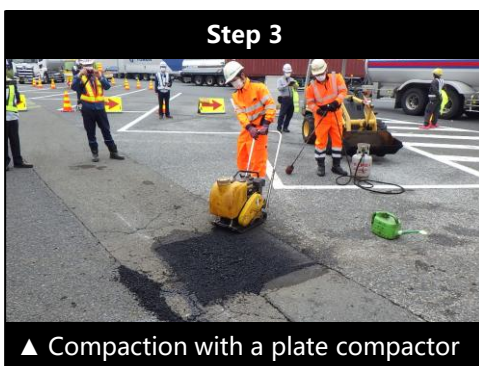
▲ Heating unit



▲ Heating with a 100 V power supply



▲ Charging the SW heat mix



▲ Compaction with a plate compactor



▲ Repair completed

Applications

- Emergency repair work on highways and general roads
- Restoration work for electricity, gas, and water utilities
- Small-scale maintenance work such as pothole repair



Hydro Milling

Ultra-high-pressure water jet system

Hydro Milling
Système de jet d'eau à ultra-haute pression
pour l'élimination du béton endommagé



This method removes (hydro-demolishes) deteriorated concrete using an ultra-high-pressure water jet. It is applied to deteriorated bridge deck slabs.

Features

- [Ensuring the quality of sound concrete](#)
It suppresses microcracks caused by impact during concrete removal work.
- [Protection of internal reinforcement](#)
Only the deteriorated concrete can be selectively removed without damaging the reinforcing steel.
- [Improved accuracy](#)
The use of a collision nozzle enables precise control of concrete removal depth.
- [Automatic control and improved construction efficiency](#)
An electronic control unit (ECU) automatically controls the concrete removal area. It enables shorter construction times and reduces the burden on operators.



Hydro-milling operation (front view)



Hydro-milling operation (side view)



Deck slab cleaning (large unit)



Deck slab cleaning (small unit)



Collision nozzle jetting



Ultra-high-pressure water generation unit (new type)

Applications

- Repairing deck slabs on concrete bridges
(Removing and cleaning deck slabs, etc.)



Woodcrete

High-Durability, Cement-Based Wood Pavement Woodcrete

Revêtement à base de ciment et de granulats de bois à haute durabilité



It is a wood-based pavement using cement as the base material and a proprietary mix design incorporating wood chips from thinned timber and other sources. Wood generated on-site can also be chipped and used in Woodcrete.

■ Features

- **Natural wood texture**
Using wood chips (from thinned timber, etc.) as the main material, it provides a pavement with a natural wood appearance that harmonizes with the surrounding environment.
- **Wear resistance**
It has excellent wear resistance, providing a safe and secure surface for wheelchair users and pedestrians.
- **Cost-effectiveness**
It can be installed directly on the base course, making it more economical than other wood-based pavements.
- **Durability**
It is a cement-based wood pavement, so it is resistant to decay and deterioration caused by microorganisms.
- **Pavement temperature**
The combination of wood chips and cement provides permeability, resulting in surface temperatures up to approximately 10°C lower than those of resin-based or asphalt-based wood pavements.



Akabanedai Campus of Toyo University (Tokyo)
Exposed-aggregate type



Saiko Iyashi-no-Sato Nenba (Yamanashi Prefecture)
Exposed-aggregate type



▲ Exposed-aggregate type



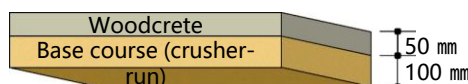
▲ Fair-faced type



▲ Colored type

■ Applications and pavement thickness

- Condition: Pedestrians and bicycles only
- Applications: Sidewalks, bicycle paths, park paths, and plazas



- * Applicable when the design CBR is 3% or higher.
- * Please contact us for other conditions.

