



Asphalt Chemicals

İstanbul Teknik İnşaat has always been creative and innovative about bitumen chemicals. We provide innovative products for safer, more economic and stronger bitumen road pavements with emphasis on environment and human health.

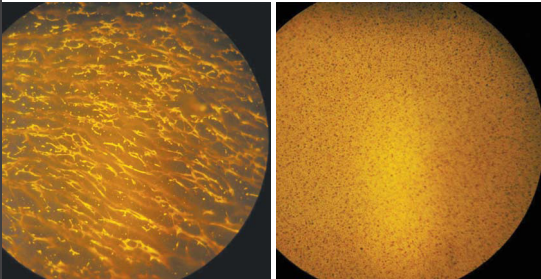


Anti-kerosene Preservers

Anti-kerosene preservers are recommended in areas such as airports and gas stations to prevent asphalt surface from solvent effects of hydrocarbons such as gasoline or diesel oil.

One of the below products should be selected, based on the application:

1. Applied over the asphalt pavement as a thin layer and provides years of protection. It can be applied in any color.
2. Added to the asphalt mixture during the preparation of asphalt. It makes asphalt resistant to fuels and solvents.



Polymer Modified Bitumen (PmB) Stabilizer

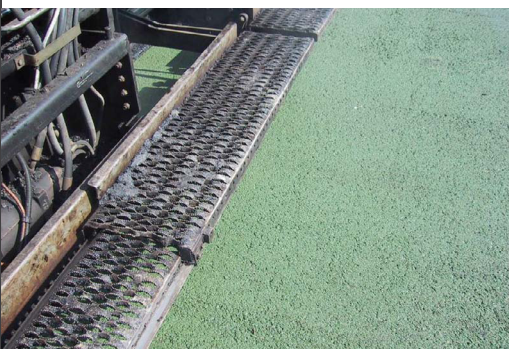
Polymer Modified Bitumen (PmB) is obtained by mixing SBS and bitumen homogeneously in the milling facility. However this is a physical mixture and its storage stability is low since SBS and bitumen does not form a chemical bond. In order to obtain a more homogeneous mixture by forming chemical bonds and to increase PmB storage stability and polymerization, chemical additives with cross bonds are required. PmB stabilizer reinforces the chemical bonds of bitumen with SBS, prevents dissociation and increases storage and transportation stability.



Asphalt Coloring Agents

Coloring Agents are used in coloring asphalt road pavements for an aesthetic view. Asphalt pavement is coated with a special paint with vibrant colors that does not crack. Yellow, green, blue and red are available color options.

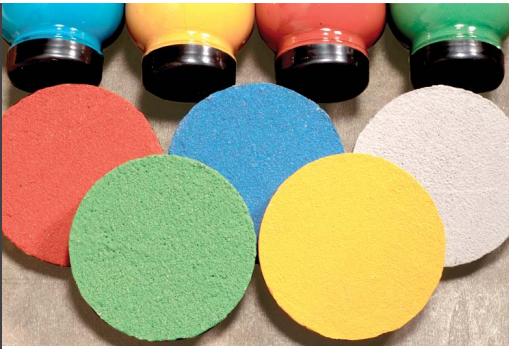
- It has a single ingredient.
- It is applied 2 mm thick.
- With its silica sand ingredient it defies time.



Clear Binder

This product is a clearer, special binder in place of classical black bitumen to build more colorful roads.

It is available in any desired color including, natural earth color, to bright red, light blue, yellow or green. It enables building roads with same properties with classical bitumen roads but at any desired color. It is generally used in city squares, hiking trails, archeological sites, areas where environmental factors are important, biking paths and special driveways and parks.



Concrete Coloring Agent

Concrete coloring agent is a pigment added to concrete mix for aesthetic view.

- It is available in yellow, green, red, blue, brown and black.
- It is used to color the concrete without changing its properties.
- It does not create cracks in the concrete surface.
- It is recommended in factory buildings, parks, hiking trails, malls, etc.



Regenerator for Recycled Hot Mixtures Containing Bitumen

Regenerator for Recycled Hot Mixtures Containing Bitumen is used to improve mixtures scraped off the road by modifying the chemical and physical properties of the aged bitumen in the mixture. It enables the laid pavement, that has been made from asphalt scraped off the road, more flexible. It can be used in any hot mixture with bitumen using scraped material prepared either in the plant or on site. It enables bitumen and aggregate to stick together, lowers viscosity and its antioxidant property recovers properties of bitumen lost through aging.



Regenerator for Recycled Cold Mixtures

Regenerator for recycled cold mixtures is used to recover chemical and physical properties of aged bitumen scraped off the road. It increases bonding in emulsions with bitumen.

- It is applied to on site cold recycling technology.
- It increases sticking effect between aggregate and bitumen emulsion. Thanks to its moisturizing effect it increases the utility of the material scraped off the road.



Adhesive Preventive and Bitumen Cleaning Materials

It is a special adhesive preventing material that does not contain solvents harmful for bitumen. In the field, generally solvents such as diesel oil, which harm the asphalt are used. This does not harm asphalt since it does not contain solvents.

In the site, bitumen cleaner material prevents asphalt from sticking to materials such as

- Truck dumpers
- Cylinders
- Shovels, etc.