



ASTEK TE-1B

Black Diamond

“Seal Coating”

Polymer Modified Asphalt Sealer & Protection System

APPLICATION AREAS

ASTEK TE-1B Black Diamond, is used on all asphalt surfaces.

Main Areas Used:

- Roads
- Airport runways, aprons and taxiways
- Parking Areas
- Shopping Centers
- Gas Stations
- Chemical loading and unloading areas
- Industrial Areas

PREPERATIONS


- Prior the application of ASTEK TE-1B Black Diamond, the following preperation has to be completed:
- Crack sealing
- Pot holes and other structural problems has to be repaired
- The pavement needs to be cleaned and decontaminated from oil or other permable substances
- Dust and soil needs to be removed and pressure air sweeping to be completed
- Concrete debris needs to be scraped out of the asphalt surface
- All of the structures and surface mounted elements needs to be masked and protected from splash.




APPLICATION

ASTEK TE-1B Black Diamond shall be applied in one or two layers by using a special spray equipment, supplementary hand tools and professional personnel to provide an excellent finish.

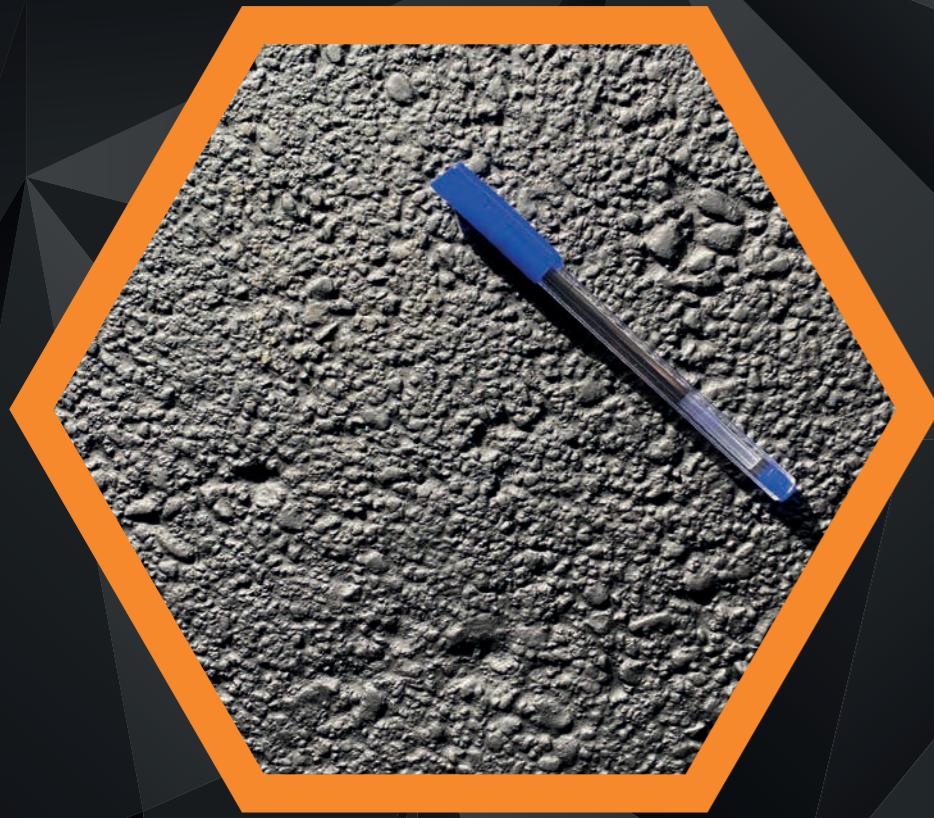
Application Rate : 1sq. meter
250 - 350 gr
(120 - 250 square feet / gallon)

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Asphalt pavements are so delicate like a human body. They scarce the proper attention on time in order to serve longer. When proper attention and a routine maintenance is used with the right tools, they will keep its beauty and longer service life. Astek, serves its customers with the most economical and world wide accepted correct methods and products.

ASTEK TE-1B Black Diamond pavement protection system, is especially designed to protect the asphalt pavements. ASTEK TE-1B Black Diamond provides a durable and flexible sealing that resists to weather effects, water, salt, fuel, oils, and other petro chemicals.

ASTEK TE-1B Black Diamond will provide a smooth texture which will help to keep the asphalt pavement cleaner and will define a much cleaner look than uncoated asphalt pavements.



ECONOMY

ASTEK TE-1B Black Diamond, shall increase the life cycle upto %300 while reducing the maintenance costs and the loss of time. Depending on the methods, majority of the Astek maintenance products requires much lower budget comparing to new pavements. Repair budgets are also lowered by using the correct tools of maintenance.

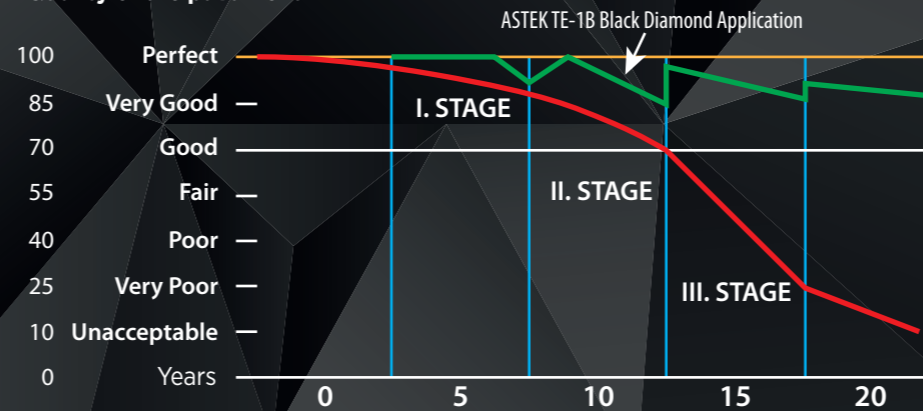
FUEL RESISTANCE

Astek TE-1B Black Diamond rezists, fuels, oils, salt and chemicals which will yield a barrier to resist the penetration to the pavement. Asphalt pavements often get affected by the penetration of fuel, kerosene and oil leaks that dissolves the binder. Astek TE-1B Black Diamond, will protect your pavement for majority of these dissolving materials.

REDUCED COSTS AND INCREASED PROPERTY VALUE

Constructing new pavements often requires higher budgets and causes loose of time and workforce. A routine and on time maintenance with Astek Coating products will reduce the costs while maintaining the beauty and value of the properties.

Quality of the pavament



Pavement Properties Change in Time

PREVENTION OF OXIDATION

The harmful ultra violet rays of sun has a negative oxidizing effect on asphalt pavements. The oxidized pavement first will become grey then it will cause the binders to crack and later to deteriorate. The oxidizing effect with the help of the weather conditions will cause the asphalt pavement to loose its properties and service capabilities in much shorter period of time. ASTEK TE-1B Black Diamond will resist to the harmful ultra violet rays and prevent pavement from oxidation effect.

PROTECTION

ASTEK TE-1B Black Diamond is specially designed for protection of asphalt pavements. We define specially selected products based on criterias such as traffic load, fuel resistance, water resistance, or budget facts that will best suit to your requirements.

WATER RESISTANCE AND PREVENTION

The penetration of water to the pavement will yield the asphalt to break up and ravelling. ASTEK TE-1B Black Diamond will prevent the water absorption triggered by snow, rain or frost and protect the pavement from break up and ravelling. ASTEK TE-1B Black Diamond will also protect pavements from the ravelling caused by the freeze and thaw effect that may develop FOD and aircraft damages at the airports.

APPEARANCE

ASTEK TE-1B Black Diamond, will improve its appearance with uniform jet black look that will bring the rejuvenated brand new effect to the properties. Older asphalt pavements, with the oxidation effect of the Ultra violet Rays of the Sun will loose the black looks in time. ASTEK TE-1B Black Diamond Systems will provide uniform surface that will loose the minor deffects, fills up the hair line cracks and the gaps.

SKID RESISTANCE

ASTEK TE-1B Black Diamond, provides and improves sufficient skid resistance as required for the specific project according to the design and the needs described. With the application, the macro surface texture is maintained while additional materials provides micro texture and improved skid resistance.

SERVICE LIFE-WARRANTY

Astek TE-1B Black Diamond is being used in Turkey and abroad for many years. Based upon the traffic density and usage, ASTEK TE-1B Black Diamond shall protect the asphalt pavement for 3-8 years. We observe that airports, coated 10 years ago still protects the pavement with success. Astek covers 1 year limited warranty for the material and application.

REFERENCES

ASTEK TE-1B Black Diamond have broad Turkish and international referenced projects.

ENVIRONMENT FRIENDLY

ASTEK TE-1B, is a 0 PAH Content material certified by independent international laboratory. It contains non hazardous materials that will benefit users and applicators with concern free environment.