

Add the polymerized bitumen directly to the aggregate tank by opening the valve. Compact the polymerized asphalt layer immediately while it is hot. No need to wait as the enhanced asphalt will not stick to the compactors' steel drums.

### New Discovery

ABB allows you to achieve any PG grade of bitumen required for the job by using only 0.25% to 1.0% of the ABB depending on the quality of the bitumen.

You can achieve any grade of bitumen by increasing or decreasing the percentage of the ABB depending on the quality of bitumen to be enhanced

### No Special Training Required

1. Heat the Bitumen until it reaches its melting point.
  2. Add the AXION Bitumen Booster directly in the Bitumen
  3. Allow the Bitumen to circulate inside the tank for 3 to 6 hours
  4. Add the AXION treated bitumen to the aggregate
  5. Compact the AXION batched asphalt while hot.
- It will not stick to the steel drums of the compactor.

### SOLID BASE STABILIZER

Strengthens and improves the natural soil enabling it to achieve higher load bearing capacities.

Eliminate expensive top soil replacement, the cost of moving it and dumping it. Eliminate the use of expensive aggregate plus the cost of compacting it. Simply stabilize the natural soil to CBR levels and load bearing capacities that exceed 1000 tons per square meter.

A new industry standard of excellence.



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# AXION BITUMEN BOOSTER

*Increases the volume of bitumen by 30% or more.  
Thereby saving cost and increasing contractors profitability.*

**AXION**  
AXION GLOBAL ENGINEERING LIMITED



*A Subsidiary of Axion Canada*

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## **AXION Bitumen Booster**

**AXION Bitumen Booster** interacts with the natural molecular structure of bitumen used in asphalt batching to substantially increases it's strength, while adding higher resistance to the sun's UV rays which deteriorates the strength of bitumen over time.



### **Advantages:**

1. The ABB increases the volume of the bitumen by more than 30% thereby increasing the contractor's profitability.
2. It is the only binder in the world that makes the bitumen water proof and chemical resistant
3. The ABB is effective in a 100°c temperature range and can be adjusted as required
4. In lower temperature, the bitumen's elasticity is increased, preventing it from cracking. In high temperatures, it is stiffer; not allowing it to melt to the sides exposing the aggregate.
5. Eliminating hairline cracks caused by the sudden drop in temperature of automobile, air conditions secretion, pouring cold water on the hot asphalt surface, the 100°c temperature range of the ABB provides you with that protection.
6. The ABB reduces rutting problem by over 84% substantially increasing the life expectancy of the asphalt layer.
7. The only organic polymer in the world that is environmental friendly, used in enhancing the quality of the bitumen and asphalt layer, unlike petroleum based polymers that deteriorate with time.  
ABB increases in strength and durability..
8. The ABB does not require special equipment or specialized technicians to apply it. It is added directly to the bitumen as soon as it reaches its melting point.

9. The ABB increases water resistance of both asphalt layer and bitumen, prolonging it's life expectancy.
10. It is the only binder in the world that has 100°c temperature range, this 100°c range can be adjusted to go below 22°c
11. It is the only bitumen binder in the world that makes bitumen and asphalt layer resistant to kerosene or jet fuel spillage.
12. Prolong the life span of the asphalt layer and increases its stability.

### **Maintenance:**

In many cases, the replacement of the asphalt layer may not be necessary. Mere spraying of the old asphalt with the hot ABB enhanced bitumen and compact it. This will renew the bond between the aggregate and the bitumen.

NOTE: bitumen is the glue that bonds the aggregate forming the asphalt layer.

### **POT HOLES AND ASPHALT REPAIRS**

Bitumen is the glue that holds the aggregate together. The higher the quality of the glue determines the life expectancy of the asphalt layer when you have 30% more quality bitumen or 30% more quality glue you have the best and most adhesive asphalt.

Merely filling the pot holes with ABB enhanced hot asphalt and compact it, makes it last for years.

### **Application**

Add the Bitumen Boost Refiner directly to the bitumen melting tank in the ratio of 0.05% -1% of the weight of bitumen.

Heat the Bitumen until it reaches it's melting point.

Allow the bitumen to recirculate inside the tank from 3 to 6 hours to achieve a homogeneous mixture by simply closing the valve leading to the aggregate tank forming a closed loop.