



## FREQUENTLY ASKED QUESTIONS

### General Questions

#### **What is RePLAY™?**

RePLAY™ Agricultural Oil Seal and Preservation Agent is a patented solution that extends the life of paved asphalt surfaces when applied every 3-5 years.

#### **How does RePLAY™ work?**

Over time, asphalt oxidizes and wears out due to oxygen in the air and traffic on the surface. In colder temperatures, the freezing/thawing process also contributes to cracking and potholes. RePLAY™ was created to restore paved asphalt surfaces and is proven to reverse the oxidation process, while maintaining the skid resistance of any paved asphalt surface. When the solution is sprayed on an asphalt surface, it penetrates deep into the matrix (between .75-1.25") and adds new polymers to the mix, reversing the oxidation process below the surface and repairing hairline cracks on the surface.

#### **How is RePLAY™ applied?**

On large areas, RePLAY™ is applied with spray equipment that is attached to a truck, such as the RePLAY™ Spray System. RePLAY™ can also be applied with a hand sprayer for smaller areas such as sidewalks and trail paths.

#### **Where can RePLAY™ be used?**

RePLAY™ can be used on just about any paved asphalt surface, including asphalt parking lots, streets and highways, highway rumble strips, airport runways and taxiways, sidewalks, trails, and even tennis courts.

#### **How long does RePLAY™ take to cure?**

Between 15 and 30 minutes depending on weather conditions.

#### **Where is RePLAY approved?**

RePLAY™ is currently approved for use in North America, Europe, Africa, and Asia.

#### **Is RePLAY guaranteed?**

It is only guaranteed to work as intended when applied properly on intact, recently paved road surfaces (within two years of paving with no visible surface damage other than discoloration).



## FREQUENTLY ASKED QUESTIONS

### **How does RePLAY™ affect the skid resistance of the asphalt surface?**

RePLAY™ does not impact the skid resistance of the asphalt surface. In fact, it helps *maintain* the skid resistance of the surface, unlike other products.

### **When should RePLAY™ be applied?**

RePLAY™ achieves the best results when applied immediately after repaving – within about two weeks as soon as the asphalt sets until about three years into its life span. Asphalt loses about 50% of its polymers, oils, and quality of its composite makeup during this time, and after about two or three years, it is ready to be rejuvenated instead of repaved.

### **How often should RePLAY™ be applied?**

It depends on the condition of the surface. For instance, if a road is in good shape, RePLAY™ should be applied every four to five years. If it is in fair shape, it should be applied every two to three years, as long as the road is not raveling. If the road has alligator cracking, RePLAY™ cannot repair the damage and should not be used.

### **When *shouldn't* RePLAY™ be applied?**

When the road surface is far too damaged and is a better candidate for repaving. RePLAY™ can be used to stabilize a road, but it will not cure pre-existing problems. RePLAY™ will mostly stop further deterioration unless the surface is returning to its original gravel state. Alligator cracking is a good barometer of this condition.

RePLAY™ should NOT be used on surfaces treated with coal tar.

### **What surfaces are appropriate for RePLAY™?**

Any asphalt surface that is not far too damaged.

### **What weather conditions are necessary for RePLAY™?**

Applying RePLAY™ calls for dry conditions, and a dry road with temperatures above 40°F/4°C. RePLAY™ should never be applied in wet, freezing conditions.

### **What quantities of RePLAY™ can be shipped?**

Totes and bulk, in either isotanks or tankers (6400 gallons).

### **Are there any shipping restrictions on RePLAY™?**

There are, but only when shipping over water. Due to the restrictions placed on most chemicals by the United Nations, RePLAY™ is treated as a hazardous material when shipped over water, in the case that it should be spilled into an ocean. By the same standard, orange juice falls under this shipping compliance. However, when shipped over land in the Americas, it is not a hazardous material.



## FREQUENTLY ASKED QUESTIONS

### **What countries have applied RePLAY™?**

United States of America, Canada, Turkey, India, United Kingdom, Australia.

### **What states in the US have applied RePLAY™?**

Missouri, Illinois, Indiana, Ohio, Pennsylvania, Virginia, Maryland, District of Columbia, Wisconsin, Michigan, New Jersey, Tennessee, California, Kansas, Nebraska, Oregon, Washington, Utah, Idaho.

### **How many miles of pavement have been sprayed with RePLAY™?**

Over 100,000 multi-lane miles.

### **How many square feet can be sprayed in one tote of RePLAY™?**

18,000 square feet.

### **How many square meters can be sprayed in one tote of RePLAY™?**

1,672 square meters.

### **How long has RePLAY™ been on the market?**

Since 2003.

### **Who invented RePLAY™?**

President and CEO of BioSpan Technologies, Inc., Sheldon Chesky.

### **Why was RePLAY™ invented?**

RePLAY™ was invented to preserve roads with non-petroleum materials produced domestically and available internationally.

### **Why is RePLAY better than petroleum-based competitive products?**

Unlike petroleum-based products, RePLAY™ is non-toxic, non-polluting, safe for the user, CO<sub>2</sub> negative, and environmentally friendly.

### **What are SBS and SBBS polymers?**

SBS stands for Styrene-Butadiene-Styrene; SBBS stands for Styrene-Butadiene-Butadiene-Styrene. These are Superpave polymers that strengthen and increase the durability and longevity of the road.



## FREQUENTLY ASKED QUESTIONS

### Environmental Questions

#### **How is RePLAY CO<sub>2</sub> negative?**

RePLAY™ does NOT generate CO<sub>2</sub>, and in fact, consumes CO<sub>2</sub> when the raw materials are produced, while other petroleum-based products contribute CO<sub>2</sub>, which deteriorates the Ozone layer (among other concerns).

#### **What are carbon emissions?**

Carbon emissions are the discharge of carbon and carbon dioxide into the air.

#### **How are carbon emissions measured?**

In the tons discharged.

#### **How does CO<sub>2</sub> harm the environment?**

Problems like global warming and the increased growth of undesirable plants that harm ecosystems are just a couple of the problems caused by CO<sub>2</sub>.

#### **What other environmental benefits does RePLAY™ deliver?**

When RePLAY™ is used versus petroleum-based products, it takes less money to protect and maintain the environment; users are safer when applying RePLAY™. Our raw materials return nitrogen to the soil, thus requiring less or no fertilizers (which are petroleum-based) to grow crops, including our those used for our food sources.

#### **Will RePLAY kill grass and other foliage new spray sites?**

Yes and no. When used properly at the recommended rate, no. If overused, the tops will die back, but immediately begin to grow again.

Have a question you didn't see? Contact us directly at [info@biospantech.com](mailto:info@biospantech.com) and we will be sure to answer your question as soon as possible.

To get in touch with a distributor, email [sales@biospantech.com](mailto:sales@biospantech.com) or call us Toll-Free at 1(800) 730-8980.