

## Q & A

# E-KRETE™ PCMO - SR

### What Do The Letters “PCMO - SR” Stand For?

PCMO means POLYMER COMPOSITE MICRO-OVERLAY - SOLAR REFLECTIVE

### What is E-Krete™?

E-Krete™ is a polymer modified composite that contains specially sized aggregates acrylic modifiers, and other additives.

### What is it designed to do?

E-Krete™ can be applied over new asphalt, old oxidized asphalt, spalled concrete, roller compacted concrete, and properly prepared metal surfaces, as a flexible, durable wearing surface. It will eliminate asphalt's greatest problems such as water intrusion, oxidation, and U.V. degradation.

### What is the Expected Life Span of E-Krete™?

It is estimated that the material will last in excess of 15 years. The material was placed on Interstate 55 N near Memphis, TN in 1999 for MDOT and it is still in excellent condition. The road has a 30,000 ADT.

### Will it protect asphalt from automotive fuels?

Yes! E-Krete™ is completely impervious to all fuels, oils, and even acids.

### Is E-Krete™ a LEEDS Qualified Product?

Yes! E-Krete™ has a .40 S.R.I. rating as tested by the National Center for Asphalt technology (N.C.A.T.) at Auburn University and PRI laboratories in Tampa FL.

### Is E-Krete™ environmentally safe?

Yes! E-Krete™ has no harmful ingredients to either humans or the environment! Polycon is one of the E.P.A's "DFE" environmental partners and is the pavement of choice for the **City of Chicago's "Green Mile"**. The product is designed to cap asphalt with a 1/16 inch layer of a high strength polymerized cementitious composite which eliminates oxidation and U.V. degradation. It can be placed on top of old coal tar to prevent the release of the toxic PAH's into the environment. E-Krete™ turns asphalt into a green product.

### How thick is E-Krete™?

E-Krete™ is best applied at 1/16<sup>th</sup> inch thick. The strength of the material is in the thinness not in the thickness.

### Can I put E-Krete™ over old Chip Seal?

Yes! Old chip seal can be preserved for years, if the base has good integrity. The E-Krete™ will cap and eliminate the loose rocks that damage windshields.

### Can the E-Krete™ be colored?

Absolutely. It comes in standard light gray or it can be specially ordered in black and all the primary colors.

### **Will E-Krete™ Crack?**

Not on its own because it is flexible. It will only crack if the base cracks and then the cracks do not widen from loss of aggregate. ( crack wall erosion )

### **Can you repair a crack in E-Krete™?**

Yes! Approximately every 5 years if a crack appears in the base simply place Krackete into the crack. It bonds to itself.

### **How long has the present formulation been around?**

E-Krete™ was invented in 1996 and has been used in all types of applications such as interstate bridge decks, asphalt roadways, chip seal secondary roads, airport taxiways, B-1 Bomber aprons, and parking lot overlays.

### **Why is E-Krete™ better than asphalt as a pavement preservation process?\***

E-Krete™ is not affected by water, de-icing fluids, petroleum products, or U.V. Also, the Solar Reflective version cools the pavement up to 12 degrees F. which reduces plastic rutting that causes hydroplaning.

### **Why Have I not Heard Of It Before Now?**

In 1996 asphalt was very inexpensive and our price was double the cost of asphalt. As we all know, things have changed as far as the price of asphalt is concerned, which makes E-Krete™ the least expensive pavement maintenance product in the industry.

### **Does It Have Any Industry Approvals?**

Yes! E-Krete™ is approved by the F.A.A. ( EB-62 ), NASA, U.S. Department of Defense, U.S. Navy, U.S.A.F., and is in the approval stage in 15 State D.O.T.'s.

### **Who Installs The System?**

Polycon has "certified installers" in 5 states that are active in 15 states. The 5 year warranty is tied to the installation by " certified applicators".

### **Has The Material Been Tested?**

E-Krete™ has been tested by the U.S. Corp of Engineers ( 2 year study), FAA, National Center for Asphalt Technology ( due to be placed on test track in 2010 ), U.S. Navy Research Center, MDOT, ALDOT, LADOTD, FDOT, TXDOT, ADOT, International Cybernetics, and NASA.

**Call 1.601.898.1024 or visit [www.polyconintl.com](http://www.polyconintl.com) for more information.**