

Support pad wear leads to high tire clearance and creep, high shell ovality, and ultimately refractory failures. Use of **Anion SlickBar® Kiln Tire Lubricant Bars** will minimize friction across the support pads, in turn minimizing tire retainer pressure and the risk of catastrophic failure of these retainers. Wear of the support pads and tire bore is also reduced by **Anion SlickBar® Kiln Tire Lubricant Bars**, minimizing the risk of support pad and refractory failure. High tire stop block pressure is a common maintenance problem, which can be detrimental to the mechanical stability of your rotary dryer/kiln. The source of this condition is axial friction between the tire bore and the support pads. This friction occurs when the plane of the tire is not perpendicular to the shell axis, a common occurrence on all types of rotary equipment. The non-obvious and the most damaging consequence of the axial force components between the tire and the shell is wear of the tire support pads. Pressures on the stop blocks is caused by the interaction between the tire bore and the support pads; so stop block loading is always accompanied by wear of the support pads.

**Anion SlickBar® Kiln Tire Lubricant Bars** are priced significantly below those of our competitors. We also offer pallet pricing (cases of twenty) which will allow you to save over 50% of what you are now paying for a less substantial product.

Product Description:

**Anion SlickBar® Kiln Tire Lubricant Bars** consists of agriculture grade high viscosity index thickeners with Graphite, Aluminum, and Copper solid film-forming components. **Anion SlickBar® Kiln Tire Lubricant Bars** provides an adhesive, high solids film to assure maximum protection from excessive wear, cold welding and galling in an easy to apply form for severe high temperature application. Compared to other products used for this application, the solids content and lubricant properties are superior, decreasing the amount of our product required for each application. A true added benefit is the high degree of solids that each melting bar contains along with a completely biodegradable binder made from agriculture grade products that holds the solids in suspension. As the bars melt the agriculture grade binder dissipates, in other like products, the residue is a petroleum base that is left on the pier causing a pollution and contamination problem.

Product Applications:

**Anion SlickBar® Kiln Tire Lubricant Bars** are specifically designed for application on the Tire Retainers, Riding Rings, and Support Pads of Horizontal Calciners, Rotary Kilns, and Rotary Dryers. **Anion SlickBar® Kiln Tire Lubricant Bars** can be easily inserted between the filler bars where it melts and releases the high temperature solid lubricants. The product's high solids content fills the surface imperfections resulting in a smoother bore surface, lower friction and less wear. The improved lubrication between filler bars and riding rings results in less friction and wear, minimizes tire retainer pressure and extends eventual shell and refractory failure due to support pad wear (or high tire creep).

Performance Properties:

Solids Content:	51% Typical
Melting Point:	150 F
Texture:	Smooth/Hard
Color:	Black/Brown
Cone Penetration for Base @ 77F:	8 Max
Corrosion 24hrs. At 212F:	Copper: Pass
	Steel: Pass
	Aluminum: Pass
Rust Inhibited:	Yes
Viscosity @ 100C:	8.4 CST

