



Rotary Kiln & Dryer Lubricants Product Guide 2012





SILVERLINE ENGINEERING AND CONSTRUCTIONS

AN AUTHORIZED DISTRIBUTOR OF EASY BAR® PRODUCTS

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Kiln Tire Bore and Wear Pad Interface Lubrication

EASY BAR® is a solid lubricant bar that melts when placed on the hot surface of a kiln shell. **EASY BAR®**'s patented blend of mineral and metal lubricants are suspended in a solid polymer binder that melts at approximately 120° F or 49° C and has an auto-ignition point of +1000° F or 538° C (the highest of any bar lubricant ensuring worker safety and no flame-ups)

When placed between the tire bore and kiln shell, the binder begins to melt and releases the lubricants in **EASY BAR®**. The rolling action of the kiln distributes the lubricants precisely to the areas needed while the binder completely evaporates. The lubricants form a protective coating for the wear components of the kiln, resulting in less wear and longer service life of your wear pads and stop blocks.



"Easy Bar is the best melting bar available in the market. The highest performance: safe, quick, environmentally safe and simple to help reduce maintenance costs"
 Managing Director – EU Distributor

"Your product has perfect fit, it is much more resistant to heat and fire than the previous (competitors bar) product that they were using, and does a really good job. It doesn't leave dirt on the hands as the previous bar product. The quality of the product is obvious in many ways and very satisfying in its lubrication cause"
 Maintenance Manager – US Cement Company



Immediate Cost Savings

- **Increase Wear Pad Life by 50%.** Minimizes the friction and wear of the wear pads at the mating surfaces. Easy Bar's protective layer of graphite and lubricants forms a solid film on the surface assuring protection from cold welding and galling.
- **Minimizes Weld Fracture!** By coating and filing-in surface imperfection with a solid film of lubricant, Easy Bar® creates a smooth bore surface.
- **Slows Shell Ovality and Lengthens Refractory Life!** Easy Bar® maintains creep by reducing friction and wear between contact surfaces. This minimizes possible ovality thus lengthening refractory life.



PRODUCT CODE	DESCRIPTION	BAR DIMENSIONS
25-C/50	CASE OF 50 EASY BARS	12" x 3/8th" x 2.5"
25-F/50	CASE OF 50 EASY BARS	10" x 5/8th" x 2.0"

Easy Bar® is the only bar that features a Low Melt Temp with the Highest Auto-Ignition Point (+1000F) available in the Market.

Easy Bar® contain no waxes, paraffin waxes or bio-based fillers.



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Kiln Tire Bore and Wear Pad Interface Lubrication

EASY BAR® SP (Spray) consists of a high auto-ignition point, thickener with organic and solid metallic, film-forming components. Easy Bar® SP delivers its lubricating solids to the surface of the wear pads, the inside tire bore and the sides of the tire for maximum protection from excessive wear, scoring, cold welding or galling. EASY BAR® SP's patented blend of mineral and metal lubricants is a semi-solid and has an auto-ignition point of +1000° F or 538° C to ensure worker safety and no flame-ups.

When applied with a portable or fixed applicator, the high content of lubricating solids fills the surface imperfections resulting in a smoother surface, lower friction and less wear. The improved lubrication between the wear pads and riding rings reduces weld fractures while extending shell and refractory service.



"Easy Bar SP is working well and did help us improve our rotary dryer reliability. We already notice a significant reduction of the shim plates and tires ID galling problem. This air spray lube gun is working well. This tool allows us to safely re-lubricate often enough to maintain our dryer in good condition without having to stop it. Doing so has solved our reliability problems (galling) without creating any difficulties for the production department."

Engineer Service and Reliability – CEPESA

- **Requires NO mixing, shaking or diluting.**
- **100% Lubrication Composition**
- **NO "blow-back" or "flame-up" dangers.**
- **Will NOT Clog or Harden in Spray Applicators or Pumps**
- **Evaporates Cleanly / Biodegradable**
- **1-2 Minute Application Time per Pier**

Immediate Cost Savings

- **Increase Wear Pad Life by 50%.** Minimizes the friction and wear of the wear pads at the mating surfaces. Easy Bar's protective layer of graphite and lubricants forms a solid film onto the surface assuring protection from cold welding and galling.
- **Minimizes Weld Fracture!** By coating and filing-in surface imperfection with a solid film of lubricant, Easy Bar® creates a smooth bore surface.
- **Slows Shell Ovality and Lengthens Refractory Life!** Easy Bar® maintains creep while lowering retainer pressure of the tire ID and wear pads. Less pressure results in less wear of the wear pads thus slowing shell ovality and lengthening refractory life.

PRODUCT CODE	DESCRIPTION
25-SP/TU	CASE OF FIFTY (50) 16 ounce Cartridges
25-SP/35	5 GALLON PAIL
25-SP/120	16 GALLON KEG
25-SP/500	55 GALLON DRUM
25-T	PNEUMATIC APPLICATOR GUN Comes with 3' Steel Tube for Application. Plant Air of 90-100 PSI required (Range: 2-3 Feet ; Spray Pattern: Cone)



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Trunnion Roller & Riding Ring Lubrication Graphite Blocks

Composed of synthetic, lubricant quality graphite specifically designed to lubricate Trunnion Rolls, Riding Rings, Tires and Inlet Seals on Rotary Kilns, Calciners and Dryers where a dry lubricant is needed.

Our Graphite Blocks are composed from *unique carbon composition* that is manufactured under the tightest internal controls. This makes for highly consistent graphite that performs even in the most hostile environments.

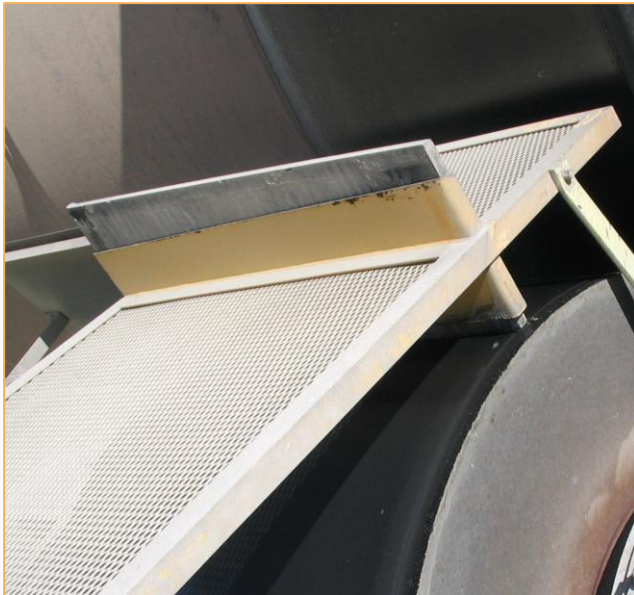
ADVANTAGES:

- Graphite Blocks simply ride against the rotating surface in a holder where the weight of the block deposits the graphite lubricant on the load-bearing surface.
- Graphite Block's lubricant lowers pressure on bearing thrust mechanism, while reducing forces on bearing end caps or thrust collars.
- Graphite Blocks are custom cut to your specific requirements in order to maximize the benefits and performance.



Solid Block Lubrication for Tires and Trunnion Rollers

Competitors' graphite blocks may utilize materials manufactured in other countries. Sometimes these imported materials contain inconsistent internal structures due to the lack of tightly controlled manufacturing processes. Premature wear of the graphite may result.



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