



# ARGONICS, INC.

## PERFORMANCE POLYURETHANES



### Typical Applications

- Conveyor belt cleaners
- Skirting systems
- Mill trommel, trunnion and chute liners
- Distributor and launder liners
- Chute, bin and hopper liners
- Impact and abrasion resistant plates
- Filtration sectors, ferrules and external tubes
- Hydrocyclone and dusty cyclone liners
- Slurry pump liners
- Flotation cell and mixer liners
- Salt, sand and chemical spreaders
- Down hold plugs and discharge sleeves
- Pipe, fitting and valve liners
- Vibration pads, seals and gaskets
- Chain and cable guides
- Blasting curtains and screens
- Truck bed liners, wheel chocks & crossover pads
- Snowplow blades, shoes and deflectors

### Kryptane® Urethane Products

We formulate unique proprietary Kryptane urethane materials specifically tailored to meet the demands of your particular wear application, whether it be sliding or impact abrasion, sticking or corrosion. Our lightweight Kryptane material eases installation and reduces noise. Kryptane's corrosion resistance and hydrolytic stability is an added benefit when performing in wet conditions and chemical solutions. Sheet materials are available in standard 4' x 8', 4' x 10', 5' x 8' and 5' x 10' sizes from 1/8" to 1" thick. Larger sizes and custom geometric shapes are available upon request. Maximum sheet sizes of 5-1/2' wide x 60' long can be obtained. Sheets are available in plain, fabric backed, expanded metal backed and weldable configurations. Options for installation include adhesive, nail shot, welding and a variety of common fasteners. Argonics also has available Kryptane urethane capped bolts used in conjunction with our universal counter bore tool. Further installation information is available upon request.



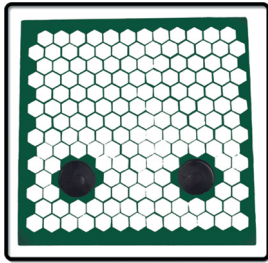
### Kryptane® Polyurethanes

1. **KRYPTANE 80A RED** – Used for fine particle, shallow angle, sliding abrasion. Excellent for grain handling, sand blast curtains, hydrocyclone parts, and pump replacement parts.
2. **KRYPTANE 90A RED** – Used for fine particle abrasion associated with sticking and hang-up problems. This material has the lowest coefficient of friction of any of the typical Kryptane products. Typical applications are classifier shoes and pipe elbows.
3. **KRYPTANE 83A GREEN** – Used for coarser particle, higher angle of impingement wear problems with 2" minus materials. This formulation has excellent cut and tear resistance. Common uses are belt scrapers, chute liners and mixer liners.
4. **KRYPTANE 93A BLACK** – Used for the toughest applications handling up to 12" minus materials. This material has the highest tensile and tear strengths of the standard Kryptane products. Typical applications include drag line bucket liners, impact bars, grizzlies and layered belt scrapers.

The above list references our standard materials. We aggressively pursue development of application-specific formulations. Please consult your Argonics Representative for further information on our other performance-based polyurethane materials.

# Demand the Edge

Performance Proven Products



## **Kryptile™ Wear & Impact Plates**

Kryptile has been designed as a transfer point impact wear plate. It combines the wear resistance of alumina oxide ceramic with the impact resistance of Kryptane polyurethane. Available with ceramic hex tiles for applications of sliding abrasion combined with low impingement impact or with ceramic cylinders for greater impact applications. Kryptile can be custom manufactured to virtually all geometric shapes. Adhesion of the urethane to the ceramic is very critical to the performance of the product. This process is closely monitored during manufacturing to assure ultimate bond strength and product integrity. Kryptile liners are designed to be either welded or bolted in place for installation ease and change-out.

Starting with original concepts, to product and tool design, to finished product and quality control; our team of qualified personnel, coupled with state-of-the-art production capabilities, are prepared to meet your product requirements with cost effective proven solutions. Please allow us the opportunity to show you how.



## **Kryptane Classifier Shoes**

Abrasion resistant Kryptane urethane classifier shoes have proven to outperform Steel and Nihard shoes ten fold in specific applications. Lightweight Kryptane shoes help reduce power consumption and make for fast, safe, trouble-free installation. The virtually indestructible shoes are interchangeable between right and left hand screws, thus requiring less on hand inventory. Excellent low temperature properties enhance cold climate start-ups, and the corrosion resistance of Kryptane urethane is an added benefit when processing in chemical environments. Many standard shoes are available to fit O.E.M. machines or custom shoes can be designed to fit your particular needs.



From Belt Cleaning and Skirting Systems to Load Zone Beds and Idlers Discs, Argonics' conveyor product line has been developed based on maintaining your belts integrity and longevity with the essential cleaning and reduced frictional properties of our proprietary polyurethane. Removing carry-back materials on conveyor belts has never been easier with our complete line of belt cleaners designed for environments from wet clay to frozen coal. Whether you're looking for a Primary, Secondary or Tertiary system, Argonics has the system designed to meet your needs. Primaries include our Micro™, Standard™, HD™, Super™ and Retro™ Systems. Secondaries include our Super G™, Super GZ™, Cyoti™ and XTC™ Systems. Tertiary systems include our V-Max™ V-Plow & X-Plow along with our new E-Max™ V-Plow.

Dust containment is another problem faced when conveying materials, but Argonics has the solutions for this problem as well. With a full line of Skirting and Dust Seal available for a variety of fines containment, Argonics is the industry leader. Loading zones are yet another big problem. However when using an Argonics Load Zone™ System, that big problem disappears completely. Argonics manufactures a full line of Slider, Roller and Impact beds. The Slider and Roller beds use our Glidalene™ wear bars and the Impact beds use our exclusive CRC™ & EDC™ Technology polyurethane bars.



## **Kryptane Concrete Mixer Liners**

When production is pushed, the last thing you need is equipment downtime. Argonics provides the engineered solution to 80% of the mixer industry. Our polyurethane drum and blade liners can increase your mixer's life by five times and greater over standard steel linings. The polyurethane formula has been specifically designed to combat the abuse found in concrete mixers. Our lightweight liners ease installation and reduces maintenance time because of the liners nonstick surface greatly reduces buildup. Our weld-plug installation system with our exclusive Snap-Tite™ plug design was invented specifically for the concrete industry. Argonics also manufactures liners for dump cones, turnheads, hoppers and chutes.

We service all industrial applications:

Agriculture – Aggregate – Mining – Materials Handling  
Concrete – Pulp and Paper – Power – Utility – Manufacturing