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## Heavy-Duty Liners For Dump Trucks

Quality bed liners in dump trucks and trailers pay for themselves in record time, says Ross McShane, owner of Prairie Plastics in West Fargo, N. Dak.

“Preventing sticking is the biggest thing – and not ruining the bed. The entire load comes out, so you eliminate a lot of backhaul,” he says.

The liners are crucial to dump loads of sugar beets grown in sticky clay in his region, while liners protect the beds of gravel and coal hauling dump trucks and trailers.

With 20 years of experience in the industry and connections with manufacturers, McShane started his business a couple of years ago. He sells and installs liners in his area and custom cuts liners to ship anywhere in the U.S. or Canada.

“It comes in 1/8 to 1/2-in. thicknesses and is a high molecular weight plastic,” he explains. He fastens it with bolts, pop rivets or aluminum flashing, and liners typically last 6 or 7 years.

Prices range from \$250 for a light liner used for snow hauling to about \$2,500 for a heavy-duty dump truck. There’s even a high end polyethylene rated up to 400 F degrees to handle hot asphalt.

Most of the customers that bring their equipment to McShane’s shop are farmers who haul corn and beans, silage and turkey litter. Others haul hides or trash.

“It’s very niche. There are 5 or 6 businesses in the U.S. that do it well,” he says. “Some offer lower quality plastic that cracks or wrecks in a year or two.”

McShane focuses on providing quality product and professional installation with a quick turnaround for his customers in about a 100-mile radius. He also has a good supply of plastic to take orders for shipping.

Contact: FARM SHOW Followup, Prairie Plastics, 1413 5<sup>th</sup> Ave. N.E., West Fargo, N. Dak. 58078 (ph 701 541-0793; www.prairieplasticsllc.com; rmcshane@prairieplasticsllc.com).

## All Things Plastic Plus Custom Orders Here

If you need impact and abrasion-resistant skid plates, grain spouts or most anything you can think of, Malcolm Johnson likely has what you need. He has been making parts and accessories out of plastic for ag equipment for 40 years.

“Thousands of grain elevators use our spouts, as well as drags and conveyors,” says Johnson, Maljohn Plastics. “We make a huge amount of products for farming. We do direct sales to farmers, as well as through suppliers.”

The company makes and sells an array of component parts, customizing them as needed, as well as making the plastic used in production. Maljohn specializes in ultra high molecular weight (UHMW) plastic for their own use, as well as supplying UHMW sheets, rods, tubes, extrusions and machined profiles to others.

“We work primarily with abrasion resistant materials,” says Johnson. “We are the only ones in North America making about 40 percent of the inputs for what we manufacture.”

Part of Johnson’s success is due to employee expertise. The company hasn’t had a layoff in 36 years, giving customers a lot of knowledge to draw upon.

“We do 2D forming and bending, complex and simple cutting, machining and application of adhesives and metal attachments,” says Johnson. “We use CAD programmable cutting, machining, punching and stamping, as well as lathe-prepared parts.”



Plastic drag paddles is just one of the many impact and abrasion-resistant products made by Maljohn Plastics Co.

One of the company’s strengths is the ability to customize. From design assistance to prototypes to components, the company works with customers.

“We do a huge amount of custom work from 2 pieces to 500 or 1,000,” says Johnson. “Because the grain industry never wants things the same, we customize auger flights, spouts and telescoping chutes from 6 in. to 8 ft. We do the same for everyone.”

Contact: FARM SHOW Followup, Maljohn Plastics Co., 183 Hendershot Rd., RR 1, Hannon, Ont. Canada L0R 1P0 (ph 306 352-2677; U.S. 800 268-1908; maljohn@maljohn.com; www.maljohn.com).

## Engineered Polyurethane Protects High Wear Surfaces

“Kryptane Xtreme is highly resistant to abrasive products such as rock, gravel, sand and grain and can be easily custom-formed to fit chutes, spouts, elbows and distributors,” says Doug Maves of Argonics Engineered Polyurethane. “It offers long-lasting wear protection, reduces material hang-up, it’s easy to install and reduces noise levels.”

Because of its extreme wear resistance, Maves says products made with Kryptane are also immune to cracks, tearing, breaking, temperature cycles and sunlight. Charles Pratt, an independent supplier and manufacturer of conveyor and bulk handling equipment, says “we found that Kryptane urethane skirtings on the outside of a conveyor can last 10 to 15 times longer than rubber, and compared to a steel liner inside, can last 5 to 8 times as long.”

Similar results were shown at a farmer-owned cooperative that moved more than 43 million bushels of grain through its Kryptane-lined system and reported very little sign of wear.

Love says installation of the 3/16 to 1-in. thick Kryptane is easy because material can be bolted in with polyurethane-coated fasteners, glued or welded in place. It’s



One popular product is the Tundra Tamer, an ultra tough cutting edge that lasts 3 to 5 times longer than rubber.

available in rolls or in 4 by 8-ft., 4 by 10-ft., 5 by 8-ft. and 5 by 10-ft. sheet sizes. Kryptane is also used to make extreme wear resistant idler wheels, flanged rollers, nose rollers and specialty rollers for high abrasion applications.

Contact: FARM SHOW Followup, Argonics Engineered Polyurethane, 520 9<sup>th</sup> St., Gwinn, Mich. 49841 (ph 800 991-2746; www.argonics.com).



Plastic liners from Osseo Plastics were used to extend the life and improve performance of this TMR mixer.

## Plastic Used To Extend Equipment Life

Get more life out of rusted out manure spreaders, fertilizer boxes and TMR mixers by installing plastic liners from Osseo Plastics and Supply. The company cuts tough polyester to fit and also sells it by the square foot or by the 100-ft. roll for do-it-yourselfers.

“You can resurface a feed cart for \$125 or spend \$300 for a new poly cart,” says Jacob Thompson, Osseo Plastics and Supply. “We can install plastic liners on haybine shoes for about half the cost of a new shoe. The longer wear plastic will outlast steel.”

He notes that a lot of farmers will use 1/8-in. poly to wrap around the bottom of bale feeders so the bottom rung isn’t sitting in the dirt and mud. “They’ll wrap a band 18 to 20 in. high around the bottom to cover the steel frame,” says Thompson.

Other relining projects include bunk feeders, mangers and barn cleaners. Practically any type of rusted, worn or corroded side or floor can be relined.

In addition to selling by the square foot or by the roll, Osseo Plastics has precut packages with set prices for popular uses, such as for a 20-ft. feeder wagon.

“Give us a call for an estimate,” says Thompson. “Don’t worry about the make or model of the machine. Just give us the dimensions.”

The company will recommend a thickness based on the intended use. Dump truck and silage box liners can be as thick as 1/2 in.

“We recommend 3/16 in. for manure spreaders or any floor with a chain over its top,” says Thompson. “Feeder wagons



Feeder wagons usually need only 1/8-in. thick plastic liners, says the company.

usually need only 1/8 in. thickness. Chopper hoods, haybine shoes and wear strips should be lined with a high wear poly.”

While the bulk of the business they do is regional, Thompson reports that the company has shipped liner materials all over the U.S.

“We have good rates, especially for regional shipping of even 8 by 10-ft. sheets,” says Thompson.

Contact: FARM SHOW Followup, Osseo Plastics and Supply, P.O. Box 127, Osseo, Wis. 54758 (ph 715 597-2498; 800 657-4698; ops@trivest.net; www.osseoplastics.com).