

Applications

Solution

Innovative

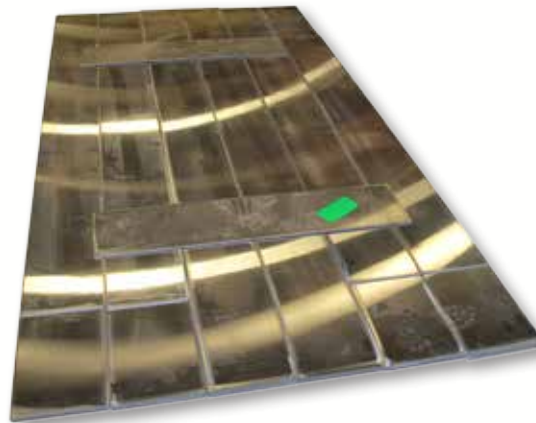
“Tends to Stay in Motion”

by Mike Sexton

Wear Specialist Cory Booz called on one of his customers (a Midwest lime processing plant) where he was presented with one of the company's sticky problems: their four vibrating feeder tables made of AR 400 that collected a build up in the corners which needed to be cleaned out regularly. In addition, these tables would only last one year before wearing through and needing to be replaced. Cory suggested replacing one of the AR 400 tables with Wear-Concepts' **INERTIA™ Tactical Wear Plate** as a test. He explained that **INERTIA™ Tactical Wear Plate** is unique because it has four desirable properties in one product which are as follows: a 350 BHN hardness that work hardens up to 550 BHN, a highly polished surface reducing friction, stainless steel corrosion resistance, and heat resistance. Once the first table was replaced, the company noticed an immediate improvement. Sticking and wear were eliminated. The polished surface just got shinier! Therefore, it was decided to replace the rest of the vibrating feeder tables with Inertia Tactical Wear Plate. That was more than eight years ago and they are still going strong! “We don't know how long they are going to last. We didn't think they were going to last this long,” says the Maintenance Manager. That which is in motion is staying in motion.

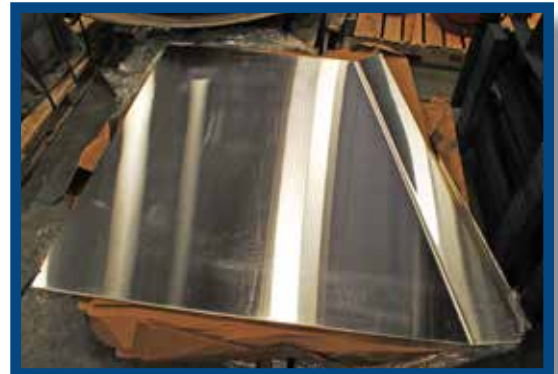


INERTIA™ Tactical Wear Plate installed in feeder.



Wear-Con's **INERTIA™ Tactical Wear Plate** in Strips.

Cement Plants in the Pacific Northwest are no stranger to frequently changing weather conditions. Sleet, snow, ice, and rain can exacerbate already challenging flow problems for the handling of some raw materials. “Among our worst problems,” said a Maintenance Superintendent, “has been material plugging or bridging at our sand hopper and chute.” That was, however, until plant maintenance personnel constructed modifications to their sand hopper using Wear-Concepts' **INERTIA™ Tactical Wear Plate**—suggested by Wear Specialist Jack Dunham. **INERTIA™ Tactical Wear Plate** is made



INERTIA™ Tactical Wear Plate cut and bent to specs.

2845 E. Heartland Drive
Liberty, MO 64068

888-4WEARCON (888-493-2726)
816-587-1923 • Fax 816-587-2055
info@wearcon.com
www.wearcon.com





Hopper lined with **INERTIA™ Tactical Wear Plate**.

huge amounts of hours we spent digging out and banging on our sand-hopper and chute. It has worked so well, in fact, that we have found other applications in which to use it. It is also working great on our limestone transfer point where the materials come off the barge conveyor. This transition previously had significant wear and sticking problems also.” That which is in motion is staying in motion.

Wear Specialist Alberto Gutierrez reports that a mining operation in Northwest Mexico had issues in a mining chute. The product being discharged is powdery and with humidity causes it to stick to the walls. This paste-like mess would drastically restrict the flow of product causing regular shutdowns. The corrosiveness and the abrasion of the material being handled caused the chute to fail every ten months. Alberto prescribed **INERTIA™ Tactical Wear Plate** to cure the problem. So far the chutes made of **INERTIA™ Tactical Wear Plate** have had good results and no indications of premature wear with absolutely no shutdowns due to sticking or clogging for 18 months. That which is in motion is staying in motion.



Transition made of **INERTIA™ Tactical Wear Plate**.



Transition made of **INERTIA™ Tactical Wear Plate** & **WC400™ Wear Plate**.

The definition of inertia is, “That which is in motion, tends to stay in motion unless acted upon by an outside force.” Are outside forces slowing down your operation? Maybe you need some strategically placed **INERTIA™ Tactical Wear Plate** to neutralize those forces and speed up your material flow. Contact us to assist you in determining how **INERTIA™ Tactical Wear Plate** can be strategically put to work in your plant to keep things in motion.

of a proprietary stainless steel that provides a highly compressed slick surface with a low frictional coefficient that has been polished to a #4 finish which means it has the slickness properties of UHMW polymers. **INERTIA™ Tactical Wear Plate** increases production time by reducing shutdowns caused by material blockage and sticking problems. The Maintenance Superintendent indicated that prior to the installation of the **INERTIA™ Tactical Wear Plate**, flow problems were a real man-eater. He said, “We can hardly remember the

Innovative

Solution

Applications



888-4WEARCON (888-493-2726)
816-587-1923 • Fax 816-587-2055
info@wearcon.com
www.wearcon.com

2845 E. Heartland Drive
Liberty, MO 64068