

THE CRODON CHRONICLES

Helpful Tips for Using CRODON® Wear Plate

www.crodonwearplate.com

Volume V



CRODON Punched Plate Screen Improves Flow and Improves Life

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Make Truck Beds Dump Clean



Trucks and equipment used to carry coal, overburden, limestone, and similar materials can have a strong tendency to hold or “carry-back” material that should be dumped. This reduces efficiency, increases fuel consumption and wear to equipment. Carry-back is especially a problem in cold, wet environments or where the same beds are used to carry both overburden and production material.

Operators have tried inflatable bladders, routing exhaust through bed frames, plastics, and other materials. These all have drawbacks in terms of on-going maintenance costs, reliability, durability or installed costs. CRODON Wear Plate offers a field proven solution that is effective, simple, low cost, and reliable.

The key area for preventing carry-back in truck beds is the corners at the front of the truck. Like chutes and hoppers, sticky materials compact in these high surface area locations and bridge out across the bed. As shown in the photos, when installed in the corners, CRODON’s non-stick, hydrophobic surface, prevents compaction and bridging. It is currently being used in overburden truck beds in Wyoming and in quarry trucks in California where the same beds for both overburden and clean rock. Experience has shown that CRODON truck beds dump cleanly preventing material contamination and accumulation of unproductive carry-back.

Lining with CRODON

There are a variety of methods for installing and using CRODON in chutes and hoppers. Some operators have preferred to build whole assemblies using only the CRODON material. Flanged tubular chutes are an excellent example

of this type of fabrication. However, in most cases, the preferred and most economical method is to use studded CRODON as a liner to a fixed shell.

With this method, CRODON can be built in panel units that can be readily installed or replaced as individual pieces show wear. As always edges need to be flush along horizontal seams to make sure wear is on the CRODON surface and not the base steel. A simple way to prevent exposure of the base steel’s leading edge is to weld a slim spacer(1/32” thick) under the bottom edge of each preceding sheet. This will “kick out” that edge just enough to keep it higher than the edge of the next sheet below it.



CRODON In Loader Buckets Extends Life and Prevents Carry-Back

CRODON® Wear Plate

Tough. And Slick.

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**Telescoping Coal Chute
Lined with CRODON
Advantage**

CRODON® Wear Plate

Tough. And Slick.

CRODON Types and Specials

CRODON Wear Plate is available in a range of specifications designed to meet the varying requirements of different applications. We maintain a sizable inventory of the most commonly requested materials: CRODON Standard (backed by mild steel) and CRODON Plus (backed by AR400 steel). These are kept in stock in sheets 24" x 48" from 1/8" to 1/2" thick and in 48"x48" sheets 1/4" & 3/8" thick.

We have additional product groups that customers use for select applications: CRODON Advantage (backed by 304 stainless steel) and CRODON Premier (backed by AR500 steel). We can also supply CRODON on more exotic materials when required.

If you need our standard sheet sizes cut to a specific dimension, send us a drawing and we can cut to your specification.



**A 48"x48" sheet undergoing
inspection prior to shipping**