

CRODON® Chronicles

Helpful Tips for Using CRODON Wear Plates

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www.crodonwearplate.com

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Upcoming Events

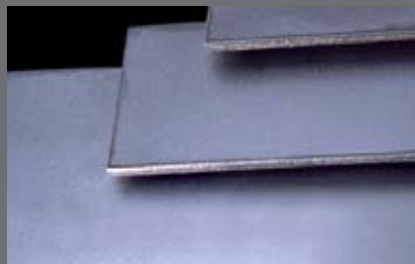
Come see us at Coal Prep 2007 this May in Lexington, KY.

We are in booth 822.

Give us a call or send an email if you need free passes to the exhibit hall.

Sheet Sizes

CRODON Wear Plates now come in 48"x48"x1/4" as well as the standard 24"x48" size. For sheets with base steel thickness greater than 1/4", the maximum produced size is still 24"x48". For thicker sheets we can join 24"x48" sheets via fillet weld to produce 48"x48" sheets. Minimum order quantity for this service is 20 complete sheets (48"x48"). We can also produce sheets up to 30" wide and 1/2" thick on a special quotation basis.



CRODON cut strips and sheets



Pipe in Ennis, Texas

Pipe and Rod

The CRODON wear surface is now being used to protect the OD of steel pipe and rod with an OD up to 4.5". In one trial in Texas, mild steel pipe in an abrasive application showed substantial wear after three months, requiring them to be rotated. By comparison, the CRODON protected pipes showed no measurable wear after a year in service.

We can also supply additional machining services for slots, holes, bevels, or tapers as needed.

New Applications – Ready Mix Cement

Ready mix cement plants have several sets of needs that need to be met simultaneously. They need a surface that is abrasion resistant, not affected by water or lime based corrosion, and that inhibits material build-up and sticking. Liners also need to be formable to the radius of the barrel, no heavier than standard AR steel, and can be installed using conventional methods.

In field trials at a Texas based OEM, CRODON Plus met all these needs and appears will more than double the target life cycle for barrel liners.

CRODON has also been operating for over 2 years in the discharge hoppers and turret feeders for a ready mix supplier based in Arkansas. They report more than three times life cycle and reduced weight compared to competitive materials.

Chromium Corporation

8701 Union Avenue
Cleveland, OH 44105

216.271.4910 Office
1.888.FINISHS Toll-Free

Photo Gallery



48' x 48' sheet being inspected



CRODON rolled on the ID



CRODON rolled on the ID



Mobile ready-mix cement plant

Bending

We have recently concluded tests for rolling CRODON Plus Wear Plate. CRODON Plus Wear Plate is backed by through hardened AR400 steel. As with all AR400 steel, bending it is not an easy task since the steel exhibits high spring back tendency, especially when bent without pre-heating. As with all CRODON Wear Plate, bending must be done cold – DO NOT PRE-HEAT.

Using a minimum 2 foot diameter roll, roll CRODON Plus on the internal diameter to a radius up to 60 to 1 to the base steel thickness. Multiple passes (a minimum of three) are needed to roll CRODON Plus. The minimum radius per base steel thickness are listed below.

Base Steel Thickness	Minimum Radius
1/4"	15"
3/8"	22.5"
1/2"	30"