

# Conforma Clad® Coal Riffles

**...significantly extend the life of coarse and fine cut coal riffles and reduce unplanned downtime!**

## 1 Superior Weight-to-Erosion Resistance Ratio

It would take an inch of chrome carbide weld overlay or three inches of plain carbon steel to equal the erosion resistance provided by 1/16" (1.5 mm) of Conforma Clad® cladding.

## 2 Balanced Combustion

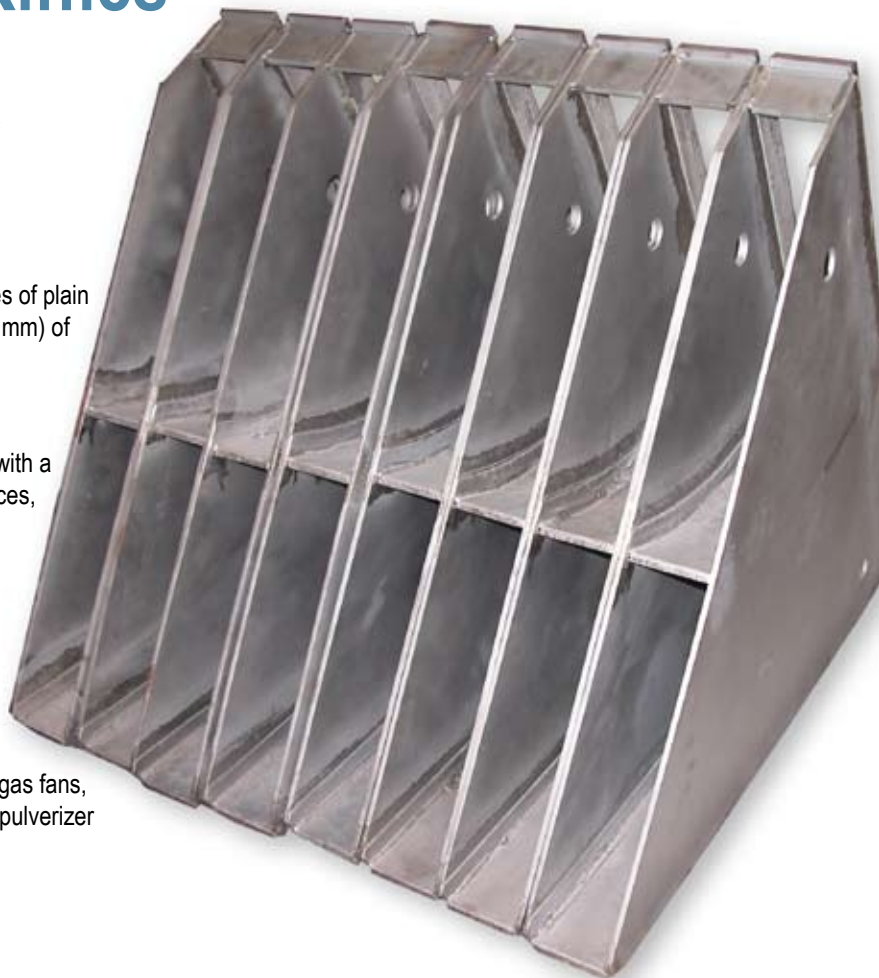
Extending the service life of fine cut riffles equips boiler engineers with a better tool to achieve balanced combustion within their boiler furnaces, along with reduced NO<sub>x</sub> emissions.

## 3 Protect the Entire Riffle

Conforma Clad can protect the leading edges, working surfaces and sides

## 4 Proven Results

Conforma Clad's premium technology has been used in coal-fired power plants for more than 15 years, extending the life of burners, gas fans, boiler tubes, thermowells, ash conveyance equipment, pitot tubes, pulverizer components and other plant equipment.



*Riffles are subjected to severe wear conditions as they have a constant, high velocity coal stream impinging and sliding on the riffle surfaces. Most often, the coal stream is concentrated in a "rope" to further contribute to the erosive effect of the coal flow. The purpose of the riffles is to more evenly distribute the fuel/air ratio to the individual coal pipes from each mill.*

*Conforma Clad's unique tungsten carbide cladding applied to fine cut riffles provides both maintenance and operations/performance personnel the dual benefit of extended service life and improved combustion and boiler performance via improved fuel/air balance. This approach is extremely cost advantageous over less proven burner balancing methods and is an approach to consider for any such exhauster mill application where OFA (over fire air) and/or LNB (low NO<sub>x</sub> burner) retrofits are being considered.*

**Conforma Clad**  
501 Park East Boulevard  
New Albany, IN 47150 USA

Tel: 888.289.4590

812.948.2118

Fax: 812.944.3254

[www.conformaclad.com](http://www.conformaclad.com)

PG-012-04/07

© 2007 Conforma Clad