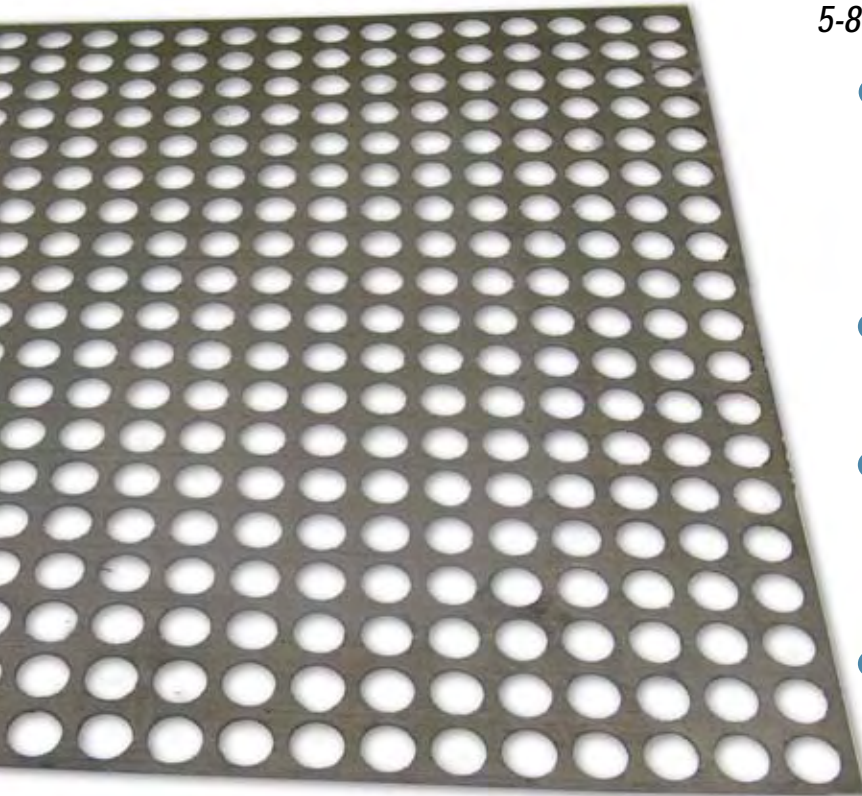


Conforma Clad® Popcorn Screens

*...extend the life of SCR popcorn screens
5-8 TIMES LONGER than stainless steel!*



① Superior Erosion Resistance

Conforma Clad cladding provides up to 8 times the erosion resistance of stainless steel in popcorn screen field tests. The use of Conforma Clad cladding also allows the substitution of less expensive carbon steel screens rather than using stainless steel screens.

② Metallurgical Bond

Much more resistant to impact and cyclic fatigue than thermal spray coatings.

③ Protect Your SCR Equipment

Conforma Clad cladding provides excellent protection against popcorn ash plugging, ensuring SCR equipment remains safe. Protection of SCR Catalysts will become essential with tighter EPA regulations in 2009.

④ Proven Results

The Conforma Clad 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.

Common Screen Types



Woven Mesh



Wedge Wire &
Grates



Expanded
Diamond



Perforated

Wear Solutions for the Long Run

Conforma Clad tungsten carbide cladding provides unmatched resistance against abrasion, impact, erosion and corrosion. Other types of protection may guard against one form of wear, but only Conforma Clad protects against multiple modes of wear - and our application creates a true metallurgical bond. Conforma Clad screen capabilities include screens up to 4 feet by 12 feet (longer lengths may be possible), with screen openings 1/4 inch and larger (screen opening size may need to be adjusted to accommodate coating thickness). Trust Conforma Clad to help protect your SCR equipment from the damage of popcorn ash.

Proven Results

One coal fired power plant installed stainless steel screens to protect their SCR equipment. In less than 6 months the screens were torn apart and had to be replaced. The plant decided to install Conforma Clad screens and after nine months, the Conforma Clad screens showed little wear.



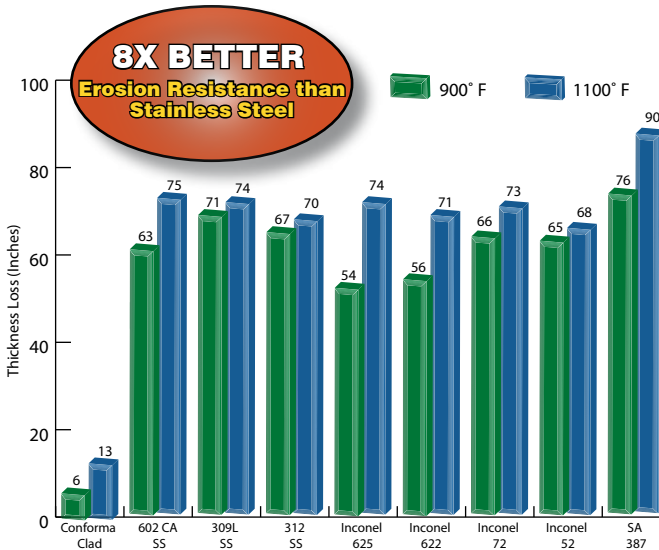
Stainless steel screens after less than 6 months performance.



Conforma Clad screens after 9 months.

Performance Data

Erosion Resistance Testing (EPRI)



Bond Strength Comparison

