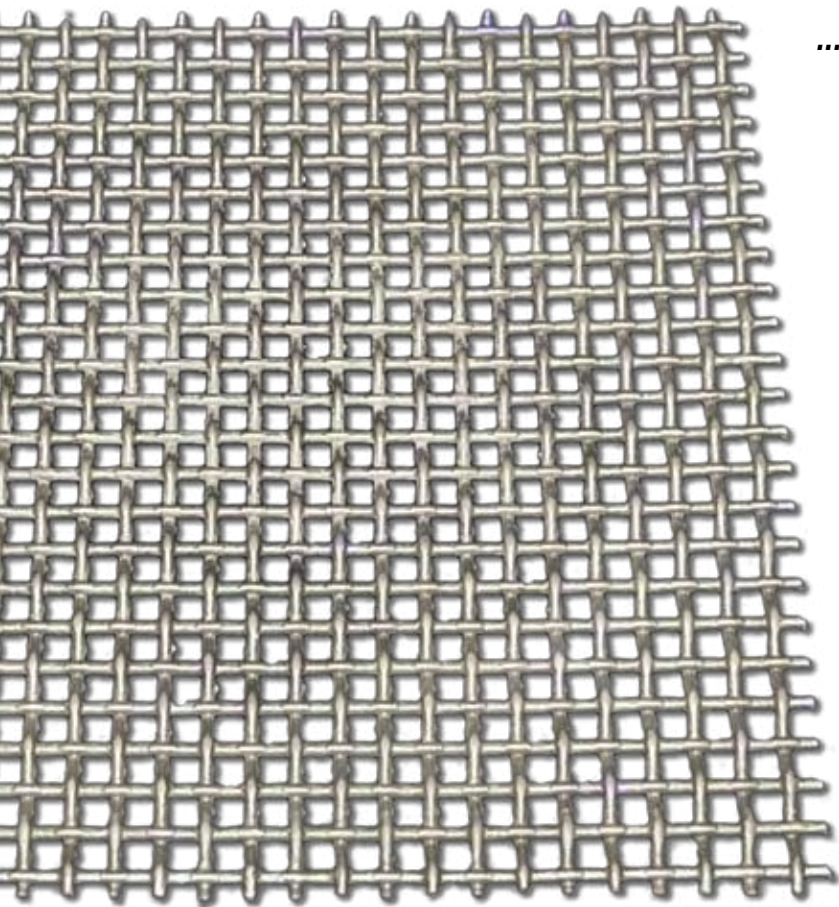


Conforma Clad® Screens



...significantly extend the life of screens!

① Superior Erosion Resistance

Conforma Clad cladding provides significantly higher erosion resistance than stainless steel. 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 than thermal spray coatings.

③ Advanced Cladding Process

The Conforma Clad proprietary process blends hard tungsten carbide particles and tough nickel chrome particles to create a durable, high-density cladding. This cladding is applied to components in a controlled atmosphere brazing furnace. During the brazing process, the tungsten carbide particles are metallurgically bonded to the nickel chrome lattice and substrate component, preventing spalling, chipping and peeling.

④ Proven Results

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.

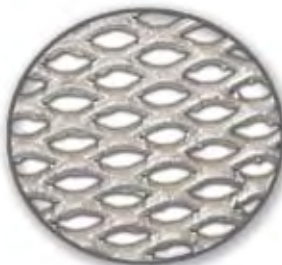
Common Screen Types



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 cladding 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).

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 screens showed little wear.



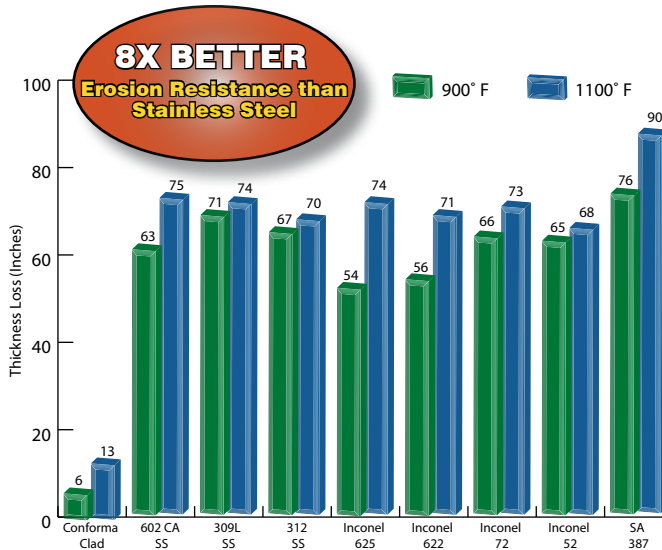
Stainless steel screens after less than 6 months performance.



Conforma Clad screens after 9 months.

Performance Data

Erosion Resistance Testing



Bond Strength Comparison

