

Improvements in Expansion Joint Design Result in Fewer Leaks and a Safer Operation

Application:

Dust cover for screener at a reduced iron plant

Problem:

In the process of making direct reduced iron the iron product is run through a device called a screener to help sort the product into various sizes. This is typically a very dusty process, and can include a great deal of vibration and abrasive media. Because of these factors, the customer frequently had to replace or repair



holes or tears in the existing seal that was wrapped and banded to the ductwork.

Solution:

Our Engineering Group worked with our distributor to engineer a solution for this customer. We were able to design an expansion joint using our 942 style that was flexible enough to hold up to the vibration involved, yet strong enough to seal over time by using abrasive resistant materials. The customer reports the joint is sealing and the end user is happy.