

Case Study: GYPSUM Manufacturer EZ-FLO® Style 206 with ABRA-LINE® Tube



INDUSTRY

Pulp & Paper

CUSTOMER

United States Gypsum Company

BACKGROUND

A Gypsum manufacturer of building materials and innovative solutions that supply wall (sheetrock), ceiling, flooring, sheathing and roofing products for residential and commercial buildings uses more than 250 tons of old corrugated waste daily to manufacture their product, making them a leading recycler in NY.

CHALLENGES FACED

On a reject line in the facility, the Gypsum manufacturer was using a competitor's expansion joint below a valve that is loaded with "garbage", including staples, metal, and little to no water. Once the valve is full, it opens and drops the "garbage" into the expansion joint sitting directly below it. The competitor's expansion joint was lasting 6 months or less before the tube would completely shred. They were looking for a solution to increase service life and reduce maintenance down time.

OPERATING CONDITIONS

Size: Pipe - 10.000"ID x 8.500 "FF

Temperature: Ambient

Application: Reject line

Media: Minimal water, staples, metal other abrasive materials

Pressure/vacuum: Gravity fed

SOLUTION AND BENEFITS

Garlock personnel visited the manufacturing facility and surveyed the existing expansion joints. After reviewing the application, it became obvious they had a major challenge with abrasion. Garlock was able to customize the dimensions and recommended a Garlock Style 206 EZ-FLO® with an ABRA-LINE® tube. The ABRA-LINE® tube was designed to combat abrasion and the custom length allowed for an easy installation. The self-flushing arch was ideal for this application as it prevented the build-up of media from becoming trapped in the arch. The Garlock Style 206 EZ-FLO® with ABRA-LINE® tube has now been in service for 2 years, significantly increasing the service life and providing tremendous efficiency gains.

For more information, please visit:
<http://www.garlock.com>

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