



Tetratex 2

Cement Finish Mill

Southeastern USA

Initial Conditions

This Cement plant was using polyester needle felt bags and experiencing bag life of two years in a finish mill system. This particular mill was a difficult application, as various products were running through the process and affecting baghouse productivity. Customer needed a filter media that could provide higher air flow without sacrificing efficiency. Their airflow was at 47,645 cfm.

Conditions

* Design Flow	<u>62,873 ACFM</u>	* Air to Cloth Ratio	<u>4.6</u>
* Particulate Size	<u>< 44 um</u>	* Temperature	<u>260°</u>
* Bag Life	<u>16 months</u>	* Outlet Load	<u>0.005</u>

Success Story

The Tetratex® 2 membrane on polyester needle felt bags were installed in January, 2001 and have performed beyond expectations. The use of Tetratex® 2 membrane filter bags has resulted in a 32% increase in air flow in the baghouse, from 47,645 cfm up to 62,873 cfm.

Summary

The installation of the Tetratex® 2 membrane filter bags has allowed the mill to switch between difficult product ranges without loss of airflow or efficiency, thereby solving a major problem with the mill.