



# GORE® Filtration Products

Cement Industry

## Case History 8

# Kiln/Mill/Cooler

### OPTIMIZATION POTENTIAL

Plant installed new baghouse and wanted to obtain optimum performance with long-term reliability. GORE® High Durability Filters were used in new installation, met all performance requirements, and provided 10-year performance life. Plant wanted to maintain high system productivity when choosing next set of filter bags.

### SOLUTION

New set of GORE® High Durability SUPERFLEX® Filter Bags were installed. Gore engineers revisited plant to optimize all system settings and review bag performance.

### RESULT

Since installation in 2009, filter bags have been meeting all performance expectations and maintaining high productivity targets achieved from original set of filter bags.



<b>Process Description:</b>	Kiln/Mill/Cooler
<b>Collector Manufacturer:</b>	American Air Filter
<b>Design Airflow Rate:</b>	1,200,000 m <sup>3</sup> /hr (708,000 acfm)
<b>Design Temperature:</b>	220°C (428°F)
<b>No. Bags/Compartment:</b>	352
<b>No. Bags/Collector:</b>	7,040
<b>Cleaning System:</b>	Pulse Jet
<b>Air-to-Cloth Ratio:</b>	Gross 3.79:1 m/min (1.16 ft/min) Net 3.98:1 m/min (1.21 ft/min)
<b>Bag Material:</b>	GORE® High Durability Filter Bag (GORE® SUPERFLEX™ Fabric, 630 g/m <sup>2</sup> , 18.5 oz/yd <sup>2</sup> )

**FOR INDUSTRIAL USE ONLY.** Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.

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