

GAFMC raises the roof on increased product reliability and productivity with WinSPC



Background

GAF Materials Corporation (GAFMC) is a \$1.1B privately-held company that offers a broad spectrum of residential and commercial roofing systems and materials. GAFMC's Mt. Vernon plant manufactures residential and commercial roofing products. The Mt. Vernon plant has gained significant benefits using WinSPC.

Challenge

GAFMC's Mt. Vernon plant manufactures roofing for residential and commercial use. One of the key ingredients in producing reliable, long-lasting shingles is properly processing asphalt.

Incoming asphalt arriving from the refinery can have a notable fluctuation in characteristics from one batch to the next. GAFMC adjusts for differences in the batches during the oxidation process to establish consistency. GAFMC wanted even tighter control over the oxidation process to achieve exceptional consistency.

GAFMC realized SPC tools were required to monitor and analyze the oxidation process to achieve its goals.

Implementation

GAFMC employees chose WinSPC for the following reasons:

- WinSPC is easy-to-use and the most intuitive SPC system they could find
- WinSPC gives the most efficient presentation of data for their operators and supervisors
- WinSPC allows for easy integration with past, present and future systems
- WinSPC is compatible with multiple SQL databases which fits with their future expansion plans

Results

GAFMC has achieved greater control over its oxidation process, significantly reducing variances and costs in the manufacturing process.

Benefits

GAFMC cited the following benefits achieved with WinSPC:

- Increased end-product reliability
- Reduced variance by 39.5%
- Attained ROI in 4 months
- Increased productivity and reduced downtime

"WinSPC integrated easily into our processes and helped us to monitor and improve product quality and reliability. Since implementing WinSPC, we have seen a variance reduction of 39.5%."

**Chris Valier
Low Slope Manager, CQA
GAF Materials Corp.**