



PROBLEM SOLVED™ PAPER

SOLUTION: Martin® ApronSeal™ Skirting, Martin® Impact Cradles, Martin® Slider Cradles, Martin® Conveyor Guards

INDUSTRY: Cement

LOCATION: Cement Plant in France

PROBLEM

A cement plant on a site in the Rhône, was experiencing excessive spillage from one of its conveyor belts. The material was a mix of sand and water. Every time the extractor started, a mixture of sand and water discharges and the conveyor belt could not contain the material, in its current design.



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Martin recommended a complete upgrade of the transfer points.



Martin® Conveyor Guards were added to protect workers from conveyor nip points and pinch point hazards.

SOLUTION

Martin Engineering was called to inspect the system. Martin recommended a complete upgrade of the transfer points. Martin® ApronSeal™ Skirting was added to contain and guide the product along the belt. Martin® ApronSeal™ Skirting floats on the belt and self-adjusts to maintain an effective seal without maintenance. Martin® Impact Cradles were installed under the belt conveyor loading zone to absorb the force of falling material to prevent damage to the belt and structure and to help eliminate spillage. Martin® Slider Cradles were then installed under the skirtboard of a transfer point. Martin® Slider Cradles support the edges of the belt to eliminate sag and by stabilizing the belt's path and allow the effective sealing of the belt edge. Finally, Martin® Conveyor Guards were added to provide a safety barrier and prevent worker exposure to conveyor nip points and pinch point hazards.

RESULTS

The results of the upgrade have been very positive, with zero product loss and almost nonexistent offsets. In addition, with the products in place have the necessary features to make maintenance fast and easy.