

Spiroflow Bulk Bag Discharger & Conveying System Accurately Dosing Chemicals for Construction Products

Customer

Everbuild Building Products Ltd of Leeds, UK manufacture a comprehensive range of building sealants, adhesives, and fillers for both the Professional and DIY markets. To meet growing demand, they installed a new mixer alongside an existing machine to increase capacity.

Key Requirements

- Means to load bulk materials and minor additives into existing & new mixers
- Reduce manual handling
- Eliminate dust emissions

Products Handled

- Chalk Based Compounds
- Glass Beads
- Titanium Dioxide

Spiroflow Solution

The bulk materials are delivered to Everbuild in Bulk Bags. The model T3 Bulk Bag Discharger has a load cell arrangement that is specifically designed to discharge accurate quantities. The optional pinch bars fitted to the Discharger enable the neck of partially discharged bags to be tied-off and removed once the required amount has been unloaded from them. Discharged materials are conveyed by a short Flexible Screw Conveyor into the collection hopper below the adjacent Sack Tip Station.

Minor additives, supplied in 25 Kg bags, are loaded manually via the Sack Tip Station. This is furnished with a dust hood, with plastic strip curtain, connected to Everbuild's central filter system to ensure dust emitted from bags, as they are opened, is drawn away from the operator. From the hopper below the Sack Tip Station, material emptied from bags and from the Bulk Bag Discharger is conveyed by a 'Spiroflow' Aero-Mechanical Conveyor some 5 metres vertically so that it can be dropped into either of the two mixers. A gravity diverter valve controls the flow of material into either of two feed tubes below the outlet of the Aero-Mechanical Conveyor.

- T3 Loss-in-Weight Bulk Bag Discharger
- Flexible Screw Conveyor
- Feed Chute System
- Sack Tip Station
- Aero-Mechanical Conveyor
- Control Panel

Customer Benefits

- Handles all products tested before purchase and more introduced since.
- Reduced manual handling, happier, more productive operatives.
- No dust emissions.



Spiroflow Bulk Bag Discharger & Sack Tip Station



Partially Discharged Bulk Bag



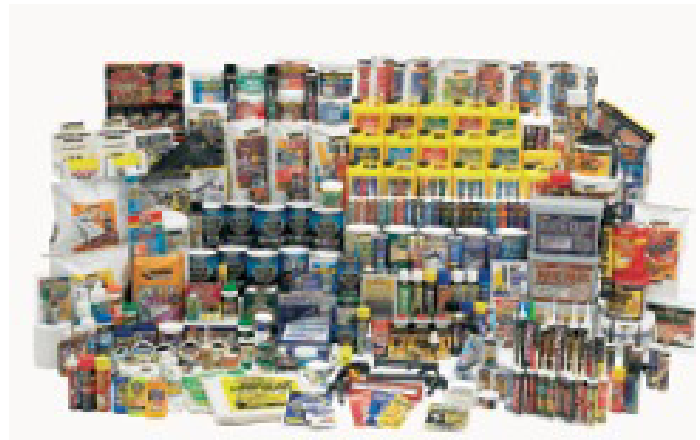
Aero Mechanical Conveyor Outlet



Removing A Partially Discharged Bag



The Everbuild Factory



Everbuild's Range of Building Sealants, Adhesives, Fillers & More