



Dust Reduction (Plaster)

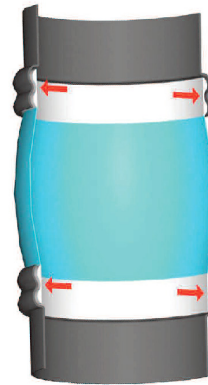
A leading UK plaster manufacturer was having an issue with the flexible connectors on a vibrating sieve lasting only a week at a time before tearing, causing major dust leakage and requiring significant maintenance downtime. Plaster is very fine and is difficult to contain, but since installing BFM® fittings, there are no dust leaks and the connectors have already lasted more than 50 times longer than the previous jubilee-clip fastened connectors.



VIBRATORY FEEDER INLET - BEFORE

The Challenge:

The existing flexible sleeves connecting a vibratory feeder were made from corrugated rubber were wearing and fastened with traditional jubilee clips. They leaked constantly, and had to be replaced weekly due to the jubilee clip causing chafing and tearing due to the continuous gyratory movement. This poor fit and constant tearing of the flexible sleeve caused excessive dust leakage and considerable maintenance downtime to replace and clean up. There were also health & safety compliance issues as the existing sleeves had no ATEX certification.



INTERNALLY SEALED BFM FITTING ELIMINATES PRODUCT LEAKAGE

The Solution:

BFM® Seeflex O4OAS (anti-static) sleeves have been fitted to both the inlet and outlet to the vibratory feeder with great results. To date, the BFM® connectors have lasted over 50 times longer than the previous jubilee-clip fastened sleeve, saving a huge amount of expense in both replacement connectors and downtime. The extremely fine plaster powder has been contained in a sealed-system, so there are no longer issues with dust leaks and associated clean-up. The BFM® Seeflex O4OAS connectors are also ATEX compliant, so combined with a cleaner, dust-free environment, reducing a number of health & safety concerns.

The Benefits:



REDUCED DOWNTIME: No weekly sleeve replacements or constant dust clean-up means maintenance downtime has been eliminated.



IMPROVED HYGIENE: There is no more dust leakage, eliminating product loss and a much cleaner environment.



EXPLOSION RESISTANT: The BFM® fitting has been fully tested and ATEX certified to be used in potentially explosive dust areas, providing H&S compliance.



BETTER HEALTH & SAFETY: The easy installation process, reduced dust exposure and added explosion protection are all positive H&S outcomes for staff.

“Plaster is very fine and gets everywhere. It is difficult to contain, particularly when your connecting sleeve has holes in it! BFM® has been brilliant. The connector seals inside the spigot so it can't chafe on the sharp edges and there are no jubilee clips to tear the fabric. It lasts for longer and best of all it doesn't leak any dust.” *Works Engineer*

Case Study provided courtesy of BFM® Distributor ProSpare, United Kingdom.