



Dust Reduction (Powdercoating)

PT Jotun Powder Coatings, Indonesia is a leading supplier of powder coatings to companies in the appliance, furniture, building components and other general manufacturing industries. The paint pigment dust was causing a considerable health hazard to their workers. Installing BFM® fittings to their production area has completely eliminated dust in the factory, and downtime has also been drastically reduced.



SIFTER FEED - BEFORE



UNDER SIFTER - BEFORE



SIFTER FEED - AFTER



UNDER SIFTER - AFTER

The Challenge:

The flexible connectors linking into and out of the large sifter were canvas fastened with standard hose-clips. These did not provide an airtight seal and potentially hazardous pigment dust was consistently leaking into the environment, posing a real health risk for staff.

The existing connectors were extremely cumbersome and messy to refit and workers regularly resorted to wrapping the bottom with plastic to try and improve the seal. They were regularly replacing the connectors every 3 months.

The Solution:

The paint pigment dust is extremely fine (like cement) and is notoriously difficult to contain. Since installing BFM® Seeflex 040E connectors in both locations, the system is now completely sealed and there is no longer any powder leaking into the factory environment.

The areas surrounding the sifter are now clear of dust creating a much cleaner, healthier environment for the workers. Downtime for replacement and plant maintenance has also reduced significantly with no replacement required in the 18 months since installing the BFM® fitting.

The Benefits:



HEALTH & SAFETY: The cleaner environment and air creates a much safer environment for the factory staff.



HYGIENE: The surrounding areas and air around the sifter has been cleared, leaving a more hygienic and tidier factory.



DOWNTIME: The simplicity of fitting has considerably reduced replacement downtime with no replacement required in last 18 months.



INSTALLATION: The simple snap-fit of the BFM® fitting only requires one person and is much simpler than the fiddly hose-clip and canvas.

The 100% seal of the BFM has impressed PT Jotun Indonesia so much that they have recommended them to other plants in their organisation.

Case Study provided courtesy of BFM Distributor RAP Engineers, Singapore