



Filter Bag Pre-Coating with Opti-Coat™

Opti-Coat™ is a chemically inert, light density powder that is injected into the baghouse to establish a uniform porous dust cake on the filter bags for maximum even air flows with enhanced operational efficiency and unequaled bag protection from moisture, particulate bleed-through, hydrocarbon carryover, bag blinding, oil, and tacky or viscous contaminants.

Procedures for Filter Bag Pre-Coating

- The amount of **Opti-Coat** utilized should be a minimum of 0.05 lbs per ft² of baghouse filter cloth area.
- Prior to injection of **Opti-Coat**:
 - Ensure that all previous dust has been evacuated from baghouse hopper, then turn off hopper dust removal equipment.
 - Deactivate (lockout) the bag cleaning cycle to prevent filter bag cleaning during the pre-coat period.
 - Operate system at approximately 50% of design airflow to the baghouse for resulting airflow velocity of approximately 2000 ft/min through the inlet duct, but not less than 2000 ft/min (typical minimum dust carrying air velocity).
- Inject **Opti-Coat** at the feed rate of 0.3 lbs/minute per 1000 ACFM of reduced gas flow to the baghouse. (Example: 50,000 ACFM to Baghouse ÷ 1000 ACFM x 0.3 lbs. = feed rate of 15 lbs/minute.) For baghouses operating under suction, the **Opti-Coat** can be injected through ports or inspection doors in ducts or hoppers. For positive pressure baghouses, the **Opti-Coat** should be injected into duct at the suction side of the positive pressure system fan.
- Isolate each compartment and inspect filter bags for adequate pre-coat cake (approximately 1/16" thick) and check inside of hoppers to be sure there is not a large amount of pre-coat dropout.

Once filter bag pre-coating with **Opti-Coat** is complete, increase the air volume for normal design flow levels to the baghouse and turn on the hopper dust removal equipment. However, do not reactivate the filter bag cleaning cycle until a minimum differential pressure of 3" - 4" S.P.W.G. is measured across the bags. This is to ensure that a seasoned cake of **Opti-Coat** has been achieved on the filter bags prior to activation of the initial cleaning cycle.

For assistance with questions regarding this application or to order additional products, please contact one of our Industry Specialists at: **1-800-321-3218**