



TerraShield

Feed Additive



In commercial livestock production, healthy animals ensure increased efficiency and profits. However, maintaining a healthy herd is not easy. Animals face constant challenges from their environment and are exposed to toxins in the feeds they eat. Bacteria, molds, and viruses create effects that range from production loss to death. Profile Products has a new way to mitigate such challenges with the Micronized Porous Ceramic Technology (MPCT) contained in TerraShield.

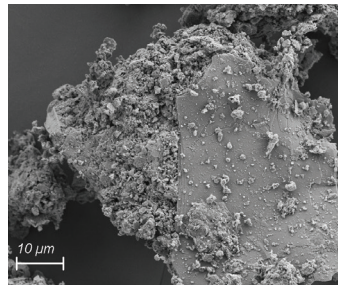
Supports Formulations for:

- Poultry Operations
- Swine Operations
- Bovine Operations

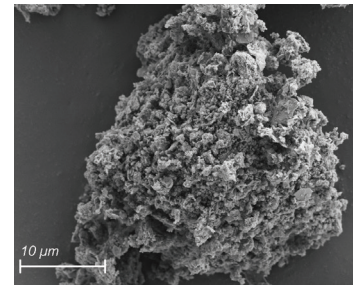


Micronized Porous Ceramic Technology (MPCT)

Typical Clay Binder



Profile's Micronized Porous Ceramic Technology™



Profile is a leader in clay and ceramic technologies used in a wide variety of sensitive environments. We know that not all clays are created equal and not all processes result in an optimal feed additive product. Profile's Micronized Porous Ceramic Technology (MPCT) utilizes a unique deposit of montmorillonite that is heat treated under exacting conditions in order to transform it into durable ceramic particles that retain their porosity under any condition. The particles are then fine-milled to a specific size that allows for greater surface area and superior dispersion throughout the feeds. The result is a cost-effective and high performing feed additive that mitigates a broad range of challenges common in the livestock production industries.

Nutritional Challenges

Mycotoxins are present in the ingredients used in even the most basic feed formulations. The industry has given assessments and guidelines of “acceptable” mycotoxin levels to determine the relative safety of these feedstuffs. While food safety is one standard, it doesn’t mean that feeds with “acceptable” levels of contamination are efficient. It’s considered best practice to mitigate any known contaminants to ensure optimal efficiency and production performance. TerraShield is Profile’s industry-leading solution to mitigate these mycotoxins. Salmonella, E. coli, S. aureus and Clostridium Perfringens all play an active role in challenging the livestock industry. These bacterial challenges cause loss of profit regardless of the animal species being produced and they are always present in the environment.

Extensive testing has been performed to demonstrate that TerraShield can help mitigate these challenges. While TerraShield is not a replacement for treatment of these bacterial issues once symptoms occur, there is evidence that TerraShield can be effective as a mitigation tool to prevent these challenges.



About Profile Products

Based in Buffalo Grove, Illinois, Profile Products is a leading developer and manufacturer of highly engineered specialty agriscience materials that promote environmental sustainability while delivering superior performance for animal health, horticulture, erosion control, sports turf and other specialty applications.

For more information call (800)508-8681

email: info@profileproducts.com

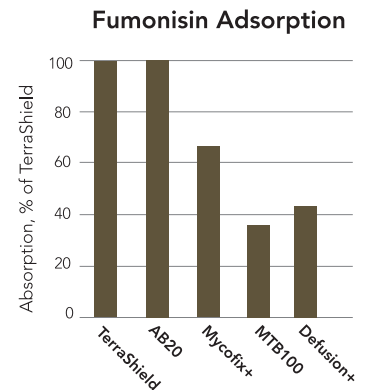
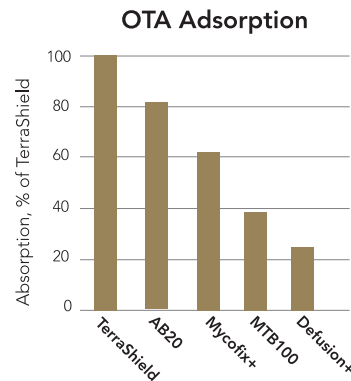
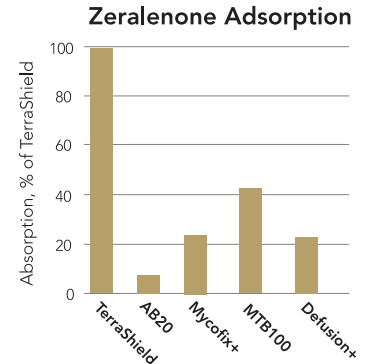
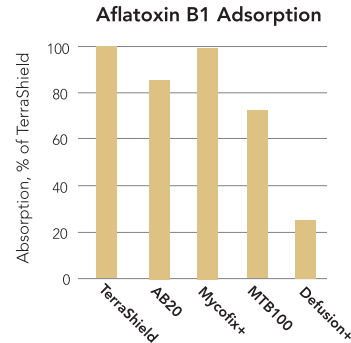
or visit: profileproducts.com.



Mycotoxins

TerraShield has been shown to have superior adsorption capabilities over other products in its class and is effective against a broad range of mycotoxin.

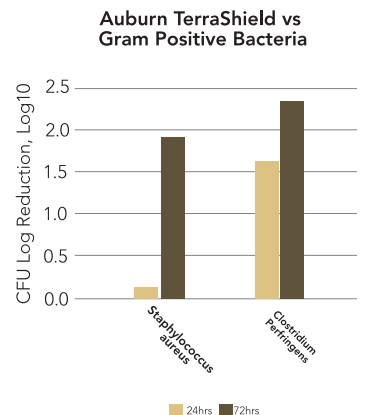
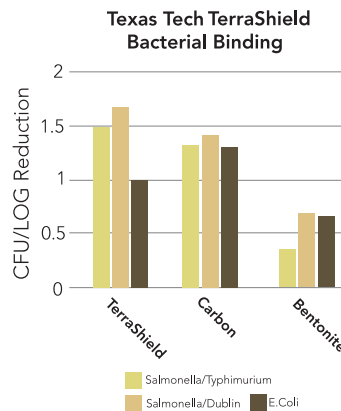
Data from a study performed at Texas Tech University shows the effectiveness of TerraShield compared to other products



Bacteria

In-vitro study at Texas Tech University reflecting TerraShield’s binding effect on Salmonella and E. coli.

In-vitro study at Auburn University reflecting TerraShield’s bacteriostatic effect on C. Perfringens and S. aureus



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