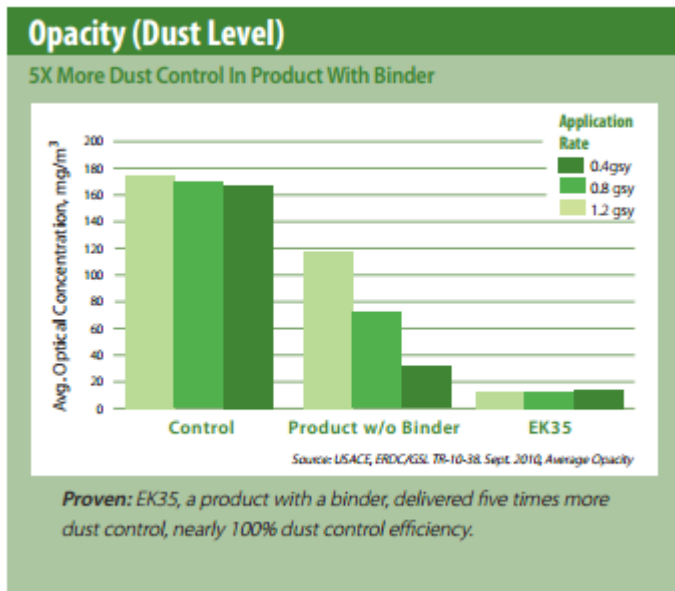
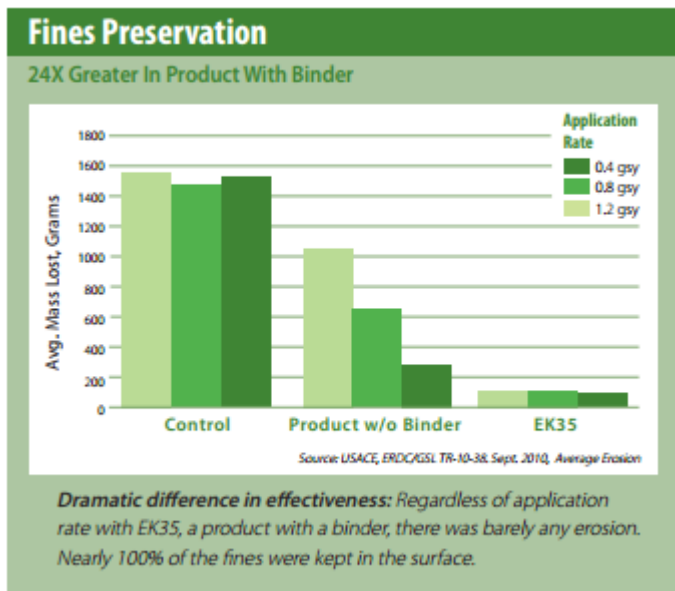


Fines Preservation

The results below left were produced from a comprehensive series of tests performed by the U.S. Army Corp of Engineers to study and understand current product types on the market and their performance. This two-part study consisted of laboratory testing as well as field tests and data collection. The laboratory portion evaluated the performance of 13 products under simulated helipad conditions at different application rates. The field portion of the study included constructing 13 helipads and subjecting them to live flight testing. From these tests, the Army Corp of Engineers collected and analyzed data to assess the performance of each product. The graph below illustrates their findings which show that the binder technology used in the Midwest Fines Preservation program dramatically reduces the volume of fines removed from the surface when compared to untreated surface as well as surface treated with dust suppressant products that do not contain binders. The Fines Preservation program was able to reduce the mass lost by over 95% when compared to the control.



In addition to reducing the mass loss by over 95% when compared to the control, this study concluded that the Midwest Fines Preservation program was able to reduce the average dust concentration by up to 5 times compared to a product without a binder. In addition, the Midwest Fines Preservation program reduced the dust concentration by over 10 times that of the control tests. This information is presented in the graph above right.