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Errata

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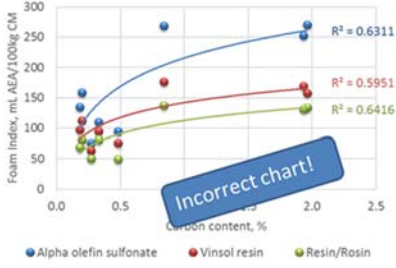
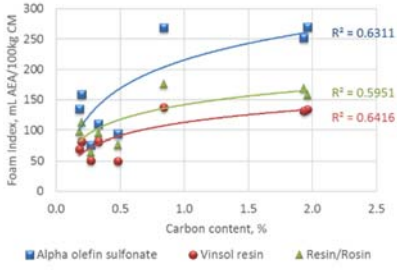
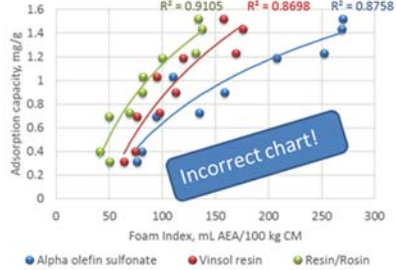
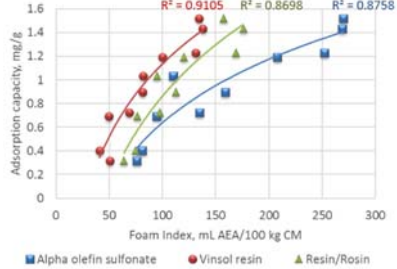
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Name of Document: Fly Ash AEA Adsorption Capacity Estimation as Measured by
Fluorescence or Foam Index

FHWA Publication No.: FHWA-HRT-17-118

The following changes were made to the document after publication on the Federal Highway Administration website:

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Location	Incorrect Values	Corrected Values
<p>Page number 9, Figure 12</p>	<p>Chart color coding was incorrect.</p> 	<p>Corrected chart. Please find attached spreadsheet with high resolution chart.</p> 
<p>Page number 10, Figure 14</p>	<p>Chart color coding was incorrect.</p> 	<p>Corrected chart. Please find attached spreadsheet with high resolution chart.</p> 
<p>508 text for figure 12</p>	<p>Figure 12. Specific Foam Index as a function of the carbon content. A graph showing the relationship between percent of carbon content and the foam index with three different air-entraining agents. The carbon content percent is on the x-axis ranging from 0.0 to 2.5 percent and the foam index values are on the y-axis ranging from 0.0 to 300 milliliters of air-entraining agent per 100 kilograms of cementitious materials. Blue data points and the blue trend line show data for alpha olefin sulfonate. The R^2 for these data</p>	<p>Figure 12. Specific Foam Index as a function of the carbon content. A graph showing the relationship between percent of carbon content and the foam index with three different air-entraining agents. The carbon content percent is on the x-axis ranging from 0.0 to 2.5 percent and the foam index values are on the y-axis ranging from 0.0 to 300 milliliters of air-entraining agent per 100 kilograms of cementitious materials. Blue squares and the blue trend line show data for alpha olefin sulfonate. The R^2 for these data</p>

	<p>is defined as 0.6311. Red data points and the red trend line show data for vinsol resin. This R^2 is 0.5951. Green data points and the green trend line show resin/rosin data with an R^2 of 0.6416.</p>	<p>is defined as 0.6311. Red circles and the red trend line show data for vinsol resin. This R^2 is 0.6416. Green triangles and the green trend line show resin/rosin data with an R^2 of 0.5951.</p>
<p>508 text for figure 14</p>	<p>Figure 14. Correlations between adsorption capacity and specific index for each AEA used. A graph shows the correlation between foam index values and values obtained from fluorescence. The foam index values are on the x-axis, ranging from 0.0 to 300 milliliters of air-entraining agent per 100 kilograms of cementitious materials. The fluorescence values are on the y-axis, ranging from 0.0 to 1.6 milligrams of surfactant per gram of fly ash. The correlations shown with data points and trend lines are for three different surfactants. Green data points show resin/rosin data with a correlation factor of 0.9105. Red data points show vinsol resin results with a correlation of 0.8698. Blue circles show alpha olefin sulfonate data with a correlation factor of 0.8758.</p>	<p>Figure 14. Correlations between adsorption capacity and specific index for each AEA used. A graph shows the correlation between foam index values and values obtained from fluorescence. The foam index values are on the x-axis, ranging from 0.0 to 300 milliliters of air-entraining agent per 100 kilograms of cementitious materials. The fluorescence values are on the y-axis, ranging from 0.0 to 1.6 milligrams of surfactant per gram of fly ash. The correlations shown with data points and trend lines are for three different surfactants. Green triangles show resin/rosin data with a correlation factor of 0.8698. Red circles show vinsol resin results with a correlation of 0.9105. Blue squares show alpha olefin sulfonate data with a correlation factor of 0.8758.</p>