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STICKIES MEASUREMENT

Verity IA has developed several techniques for measuring stickies.

- **Stickies Dye Method**

This technique was developed by U.S. Department of Agriculture, Forest Products Laboratory, in Madison WI, USA that uses a dye attracted to the hydrophobic surface of the plastics and adhesives that are normally stickies. The stickies and dirt (contraries) are measured in same scanner image using reflected using Verity IA 2003 Color Layer Size & Shape application.

Verity IA 2003 Color Size & Shape will separate any image into as many as ten 10 different layers. By using the built in color math the user can define the color composition of each layer individually. Each layer can have individual settings to extract and classify objects of interest by size and shape. Once an object extraction is made in a layer, it can optionally be eliminated from subsequent layer measurements and thus prevent possible double counting.

This application comes preloaded with a test setup designed to measure STICKIES using the method developed by the USDA Forest Products Laboratory in Madison, Wisconsin, USA. It will simultaneously extract blue dyed objects and dirt as independent classifications.

[Color Layer Size & Shape Description & Download](#)

- **Stickies, OCC, RMD Wet Specimen Method**

This newly developed method causes the waxes and other thermoplastic contaminants to flow under heat and the modest pressure common to high temperature handsheet dryers. 2.4 gram handsheets are formed from process samples and dried at 190°C for exactly seven (7) minutes. Under these conditions the thermoplastic contaminants melt and flow to fill the interstices of the fibers surrounding them. When saturated with water, the handsheet fibers containing no wax turn dark brown and the waxy areas remain light brown. These waxy areas are measured and counted using the RMD Wet Specimen Apparatus available from Verity IA LLC and the Verity IA Stickies analysis program.

For more detail take a look at: A paper: [OCC, RMDWet Specimen](#) and the method: [Stickies OCC Wet Method](#)