

Notes on PowerPoint Slides for SWGMAT Paint Daubert presentation

Slide 8: The scale marker is 2 mm in total length. This image depicts the fragments on the previous slide at increased magnification. Debris fragments include multiple layer paint fragments from hit and run victim's clothing. Left ¾ of slide are automotive including delaminated clear coat fragments (colorless). Upper right include paint fragments from bicycle victim was riding, fragments of plastic, and three non-automotive paint fragments.

Slide 9: The scale is 1 mm. in total length. This image focuses in on multiple layer automotive paint fragments of previous slide with one tipped up on its side.

Slide 13: Stereomicroscopic view of automotive paint fragments from CTS proficiency test depicting similar appearance of finish coats.

Slide 14: Red arrow of Q-3 depicts difference in primer-surfacer color compared to blue arrows of Q-1 and Q-2. Full length of scale is 0.5 mm.

Slide 15: Red and blue arrows depict different colors of primer-surfacer. OEM = original equipment at manufacture. Full length of scale is 0.5 mm.

Slide 16: Full length of scale is 100 microns.

Slide 26: This is a backscattered electron image, primer side up.

Slide 28: Replicate analysis of K-1 and Q-1 primer-surfacers to see if any difference detected. Q-2 not analyzed since it was eliminated by FTIR. Al and Si suggest clay extender pigment not noted in FTIR spectra due to low concentration and strong titanium dioxide absorption. Ca is low to undetected indicating possible calcium carbonate extender possibly noted in IR spectra is not present. Analysis is complementary to IR analysis. Note importance of replicate analysis as variation can be seen in both K-1 and Q-1.