ECM Tech Brief

Can I measure gloss with my spectrophotometer?

Enterprise Color Management (ECM) – a concept that provides the right tools and technologies to simplify color control on a global scale and ensure color consistency among suppliers.

To obtain a true gloss measurement requires a gloss meter (ASTM D523). It is possible, however, to use a sphere geometry spectrophotometer capable of both specular included (SCI) and specular excluded (SCE) reflectance measurements to obtain an index with good correlation to a gloss meter.

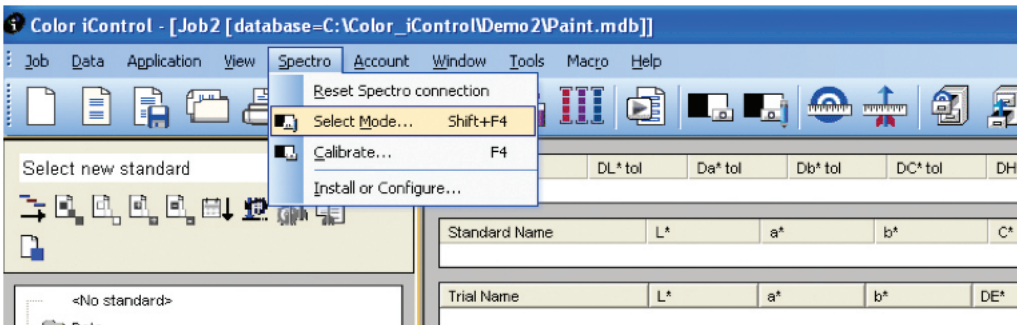
For spectrophotometers capable of simultaneous SCI/SCE measurements, gloss can be reported directly by some software programs that support these instruments.

For more information on the measurement of gloss consult ASTM Standard D523 or visit http://astm.org

How to measure gloss using Color iQC

This measurement option is available with the ColorEye XTH, Color i5, and Color i7.

1. Open a new job and go to the **Spectro** menu, then choose **Select Mode**.

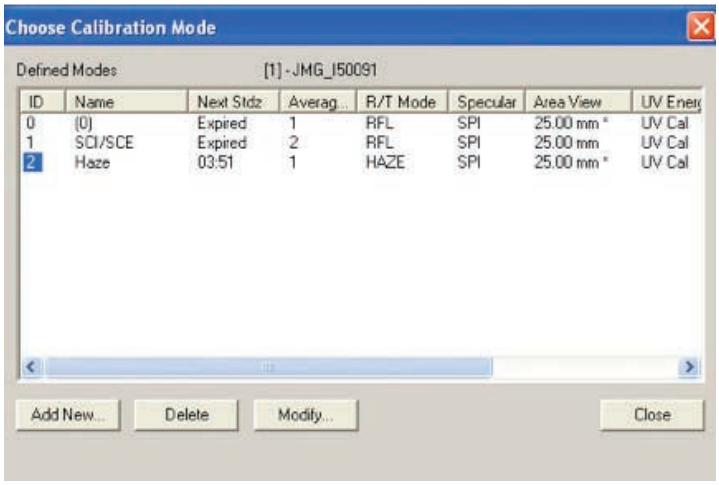


gretagmacbeth
YOUR COLOR. PRECISELY.

www.gretagmacbeth.com

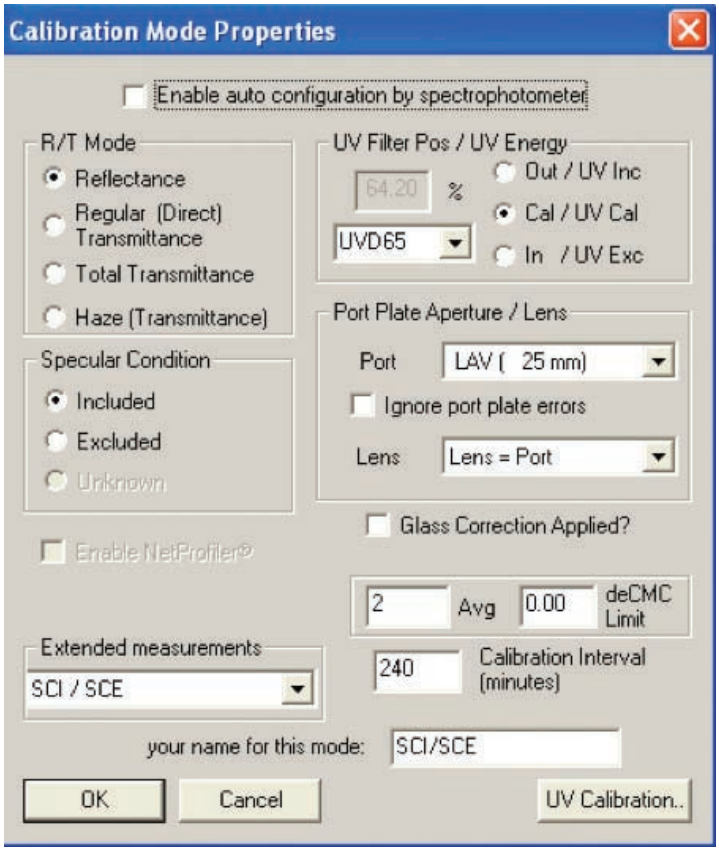
A sphere geometry spectrophotometer, capable of SCE/SCI reflectance measurement, can correlate well to an actual gloss meter.

2. In the **Choose Calibration Mode** window click the **Add New** button down in the bottom left hand corner.



3. This opens the **Calibration Mode Properties** box.

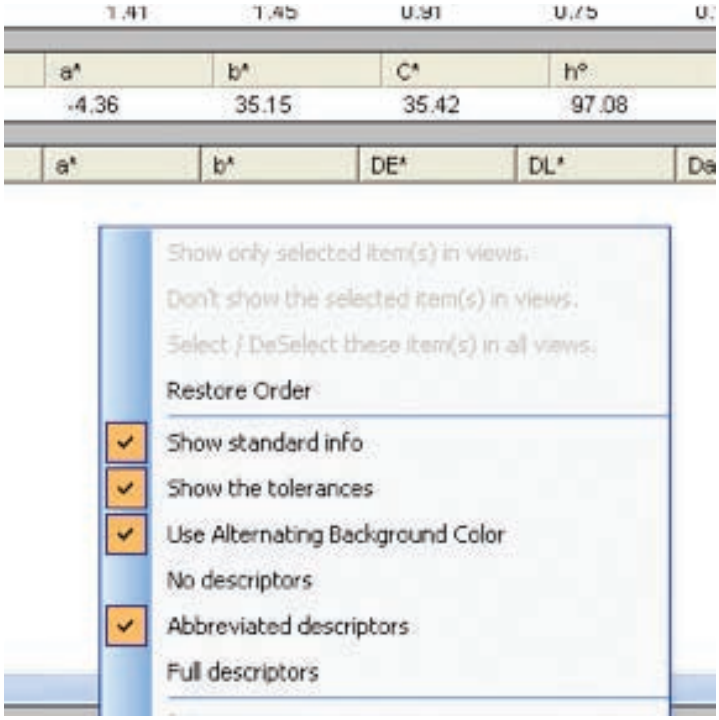
4. Make the following settings:



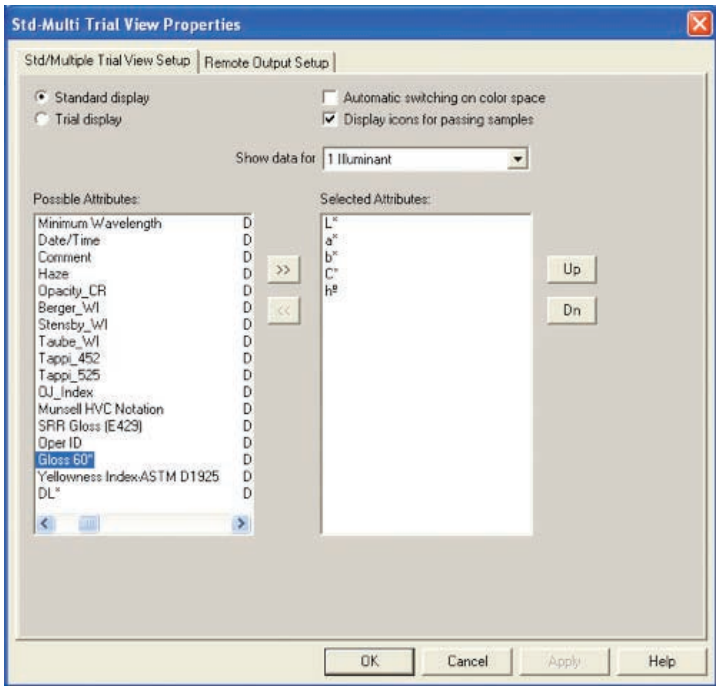
5. Click **OK** to close this window.

6. Click **Close** on the **Choose Calibration Mode** window.

7. Now in the **Standard/ Multi-Trial View** right click and select **Properties.**

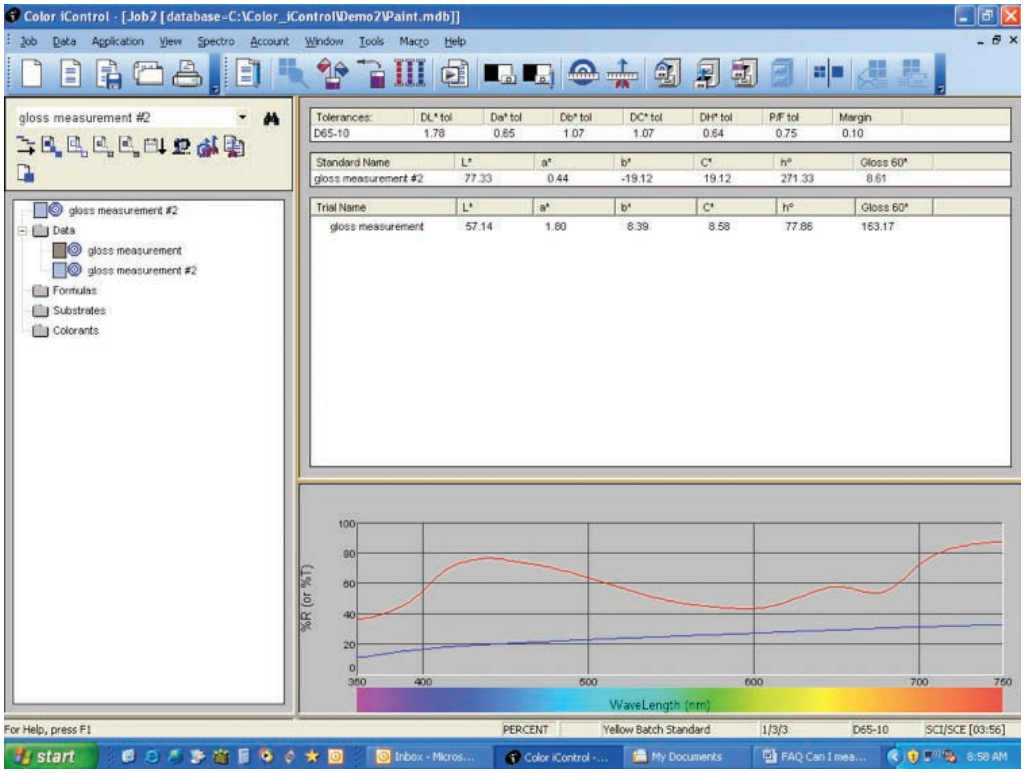


8. Add the **Gloss 60º** attribute to both the standard and the trial.



9. Measure a standard and a trial as normal.

10. The Correlated Gloss value will be displayed.



Call 866-285-3463

gretagmacbeth
YOUR COLOR. PRECISELY.

www.gretagmacbeth.com